

1

Message building and targeting

2

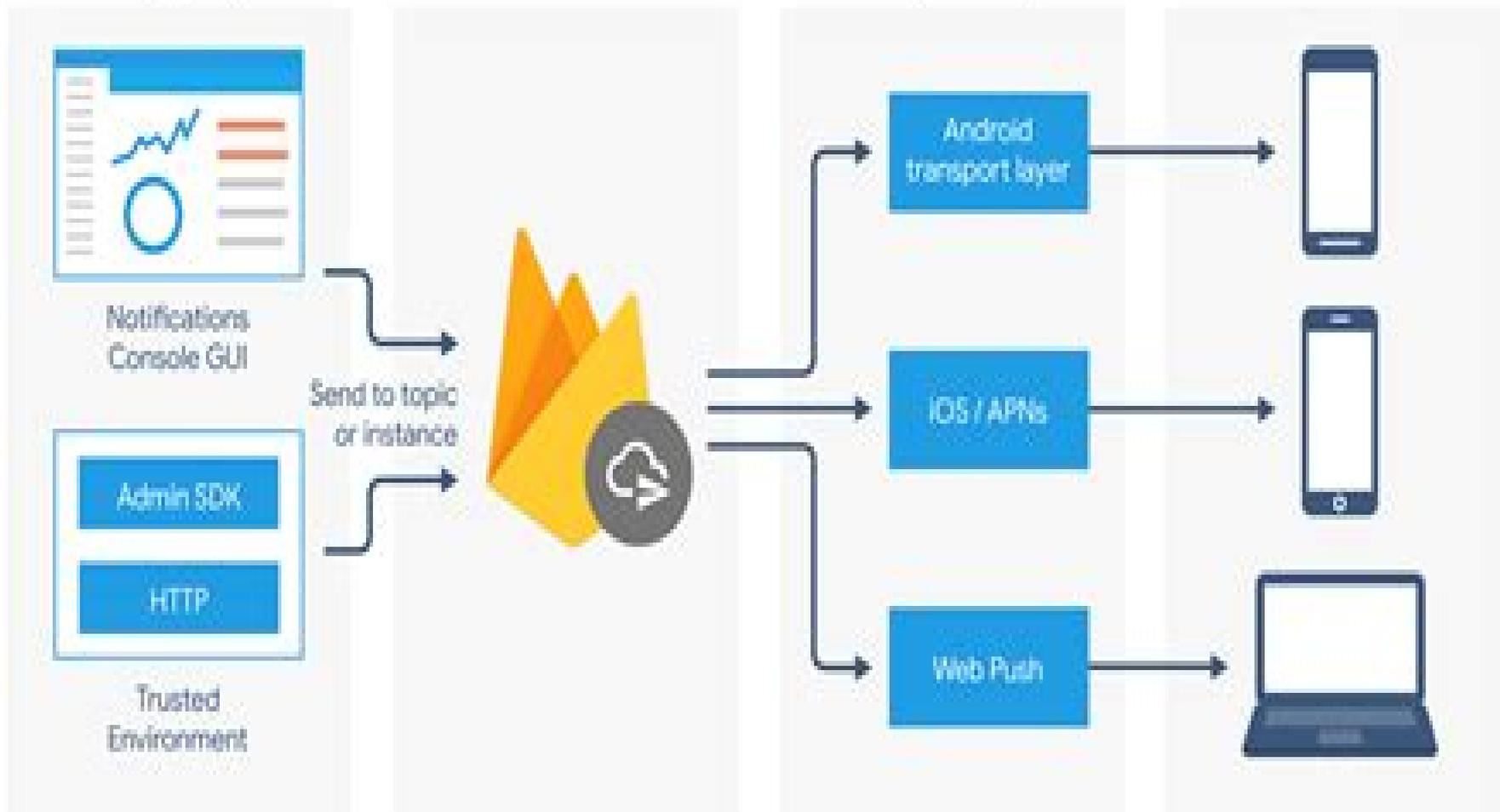
FCM backend

3

Platform-level message transport

4

SDK on device



Firestore How To Push Notification With Firestore Grokbase

Renata Sloane



Firestore How To Push Notification With Firestore Grokbase:

Ultimate Firestore for iOS and Android Applications: Leverage Firestore's Full Suite to Craft Secure, Scalable and High-Performance Apps Across iOS and Android Platforms Dương Đình, 2024-10-29 Fuel Your Mobile App's Success with Firestore Secure Fast and Scalable Key Features Step by step and comprehensive coverage of Firestore for both iOS and Android platforms Real world projects with source code for seamless cross platform development Master Firestore tools such as Authentication Firestore Cloud Messaging and Analytics Book Description Firestore powers over 2.5 million apps globally making it indispensable for developers building scalable secure mobile and web applications across iOS and Android Ultimate Firestore for iOS and Android Applications is designed to help developers of all levels harness the full potential of Firestore's comprehensive toolset and supercharge their app development process This book goes beyond the basics bridging the gap between foundational knowledge and advanced Firestore tools Through detailed explanations and real world projects you'll master critical Firestore features like Authentication Cloud Firestore Crashlytics Cloud Messaging and Analytics empowering you to build optimize and secure high performance apps With a focus on practical hands on applications each chapter equips you with the skills to develop robust user friendly and scalable applications Real world scenarios demonstrate how to tackle complex challenges using Firestore's cutting edge tools ensuring you can apply your newfound knowledge to real projects immediately You'll also learn industry best practices and expert strategies to avoid common pitfalls and optimize your Firestore solutions Whether you're building a new app or enhancing an existing one this book will arm you with the knowledge and skills to thrive in today's competitive app development market and make a lasting impact with Firestore What you will learn Implement Firestore Authentication for secure cross platform user identity management Utilize Cloud Firestore for efficient data storage and real time syncing Integrate Firestore Cloud Messaging for targeted push notifications and engagement Use Firestore Crashlytics for real time crash reporting and swift issue resolution Leverage Firestore Analytics to understand user behavior and drive app improvements Table of Contents 1 Introduction to Firestore 2 User Authentication with iOS 3 User Authentication with Android 4 Getting Started with Cloud Firestore Database 5 Deep Dive into Cloud Firestore 6 Advanced on Cloud Firestore 7 Firestore Storage 8 Security Rules 9 Firestore Extensions 10 Cloud Messaging 11 Firestore Crashlytics 12 Firestore Analytics Index

Serverless Web Applications with React and Firestore Mayur Tanna, Harmeet Singh, 2018-04-10 Build rich and collaborative applications using client side code with React Redux and Firestore Key Features 1 A practical guide covering the full stack for web development with React 16 and Firestore 2 Leverage the power of Firestore Cloud Storage messaging functions OAuth and database security to develop serverless web applications 3 Develop high performance applications without the hassle of setting up complex web infrastructure Book Description ReactJS is a wonderful framework for UI development Firestore as a backend with React is a great choice as it is easy powerful and provides great developer experience It removes a lot of boilerplate code from your app and allows you to

focus on your app to get it out quickly to users Firebase with React is also a good choice for Most Viable Product MVP development This book provides more practical insights rather than just theoretical concepts and includes basic to advanced examples from hello world to a real time seat booking app and Helpdesk application This book will cover the essentials of Firebase and React js and will take you on a fast paced journey through building real time applications with Firebase features such as Cloud Storage Cloud Function Hosting and the Realtime Database We will learn how to secure our application by using Firebase authentication and database security rules We will leverage the power of Redux to organize data in the front end since Redux attempts to make state mutations predictable by imposing certain restrictions on how and when updates can happen Towards the end of the book you will have improved your React skills by realizing the potential of Firebase to create real time serverless web applications What you will learn Install powerful React js and Firebase tools to make development much more efficient Create React components with Firebase to save and retrieve the data in real time Use Firebase Authentication to make your React user interface secure Develop React and Firebase applications with Redux integration Firebase database security rules Firebase Cloud Storage Integration to upload and store data on the cloud Create a complete real time application with React and firebase Using Firebase Cloud messaging and Cloud functions with React Firebase Cloud Storage integration with React Who this book is for This book is for JavaScript developers who have some previous knowledge of React and want to develop serverless full stack applications but without the hassle of setting up a complex infrastructure

Firestore Cookbook Houssein Yahiaoui, 2017-11-29 Practical solutions for developing seamless experiences for application that scales About This Book A Solution based approach that would help you create high quality apps for your businesses Harness the power of real time database to create apps that work on multiple platforms Build a customized solution for your app development challenges with Firebase Who This Book Is For This book will assume you have at least a minimum set of skills in JavaScript HTML and CSS Also having some familiarity with backend technologies will be helpful After all we re going to build a backend application that will change the way backend developer works What You Will Learn Use Firebase Diverse Authentication systems Integrate easy secure File Hosting using Firebase Storage services Make your application serverless using Firebase Cloud Functions Use the powerful Firebase Admin SDK for privilege management Use Firebase within NativeScript apps for cross platform applications Modify structure save and serve data in and from Realtime Database Get acquainted with the newly introduce Cloud Firestore a scalable database for your web and mobile applications In Detail Do you feel tired just thinking or even hearing about backend technologies authentication or the tedious task of deployment Firebase is here to change the way you develop and make your app a first class citizen of the cloud This books takes a solution based approach by providing you recipes that would help you understand the features of Firebase and implement them in your existing web or mobile applications We start off by creating our first Firebase application and integrating its services into different platforms and environments for mobile as well as web applications Then we deep dive

into Real time Database and Firebase Storage that allows your users to access data across various devices with real time ease. With each chapter you will gradually create the building blocks of your application from securing your data with Firebase Rules to authenticating your users with OAuth. Moving along we would explore modern application development techniques such as creating serverless applications with Firebase Cloud Functions or turning your traditional applications into progressive apps with Service workers. Finally you will learn how to create cross platform mobile apps integrate Firebase in native platforms and learn how to monetize your mobile applications using Admob for Android and iOS. Style and approach: This recipe based practical guide presents each topic with step by step instructions on how you can create collaborative and efficient progressive applications using the latest features and capabilities in Firebase.

Learning Firebase Cloud Messaging for Android Joe Marini, 2018 *Firebase for Mobile Developers* Morgan Higgins, 2026-02-13 *Firebase for Mobile Developers* Ship Production Apps with Auth Firestore FCM Analytics and Crashlytics Struggling to ship a mobile app that's secure, scalable and production ready without spending months building backend infrastructure from scratch. Many mobile developers get stuck wiring authentication, managing real time data, configuring push notifications and tracking crashes across devices. The result is fragile code, inconsistent user experiences and late night firefighting after release. *Firebase for Mobile Developers* is your practical blueprint for building and launching high quality mobile apps with confidence. Centered on Firebase's core services including Authentication, Cloud Firestore, Firebase Cloud Messaging, FCM Analytics and Crashlytics, this book shows you how to design, implement and operate a reliable backend without managing servers. You'll learn how to implement secure user authentication with email, social providers and custom flows. Structure scalable real time data models with Cloud Firestore. Send targeted push notifications using FCM to boost engagement. Track user behavior with Firebase Analytics to guide product decisions. Detect, analyze and fix crashes fast using Crashlytics. Configure security rules and optimize performance for production workloads. Through clear explanations and real world implementation patterns, you'll see how these services work together to support modern iOS and Android apps. Want to reduce backend complexity? Improve retention with smart notifications. Ship updates with confidence backed by real crash and usage data. Whether you're a full stack mobile developer or an indie app founder, this book equips you to ship production apps faster, scale intelligently and maintain reliability as your user base grows. Stop patching backend pieces together. Build smarter with Firebase and start shipping production grade mobile apps today. [LEARN FIREBASE 2025 Edition](#) Diego Rodrigues, 2025-10-22 [LEARN FIREBASE 2025 Edition](#) Build Web and Mobile Applications in the Cloud from Zero to Production. This 2025 edition of *Learn Firebase: Build Web and Mobile Cloud Applications from Zero to Production* is fully revised and enhanced. More didactic, cohesive and practical than the previous version, it follows the TECHWRITE 2.3 standard, featuring clear language and real examples in multiple languages: Node.js, Python, Kotlin, Swift, Java and Go, covering the entire Firebase/Google Cloud ecosystem. This book is intended for students and professionals who want to develop modern

applications using Firestore Authentication Storage Hosting Functions Analytics Crashlytics Performance Monitoring Test Lab BigQuery and ML Kit integrating security automation and telemetry within CI CD pipelines You will execute Complete creation and configuration of Firebase projects with authentication database and deployment Build automation and rollback using Firebase CLI and CI CD integration Implementation of serverless functions and multi language push notifications Data export and analysis in BigQuery with optimized SQL queries Application of ML Kit and custom models for classification and detection Performance and stability monitoring with Analytics and Crashlytics Automated testing on real devices through Firebase Test Lab Configuration of security rules and technical governance policies By the end readers will be able to design deploy and manage complete solutions with Firebase combining scalability traceability and predictable cost across Google Cloud environments firebase firestore authentication storage hosting functions cli analytics crashlytics test lab performance monitoring bigquery ml kit node js python java go swift kotlin ci cd google cloud serverless telemetry security technical governance cloud software engineering

[The Definitive Guide to Firebase](#) Laurence Moroney,2017-11-10 Plan how to build a better app grow it into a business and earn money from your hard work using Firebase In this book Laurence Moroney Staff Developer Advocate at Google takes you through each of the 15 Firebase technologies showing you how to use them with concrete examples You ll see how to build cross platform apps with the three pillars of the Firebase platform technologies to help you develop apps with a real time database remote configuration cloud messaging and more grow your apps with user sharing search integration analytics and more and earn from your apps with in app advertising After reading The Definitive Guide to Firebase you ll come away empowered to make the most of this technology that helps you build better cross platform mobile apps using either native Android or JavaScript based web apps and effectively deploy them in a cloud environment What You ll Learn Use the real time database for codeless middleware that gives online and offline data for syncing across your users devices Master Firebase Cloud Messaging a technology that delivers to connected devices in less than 500ms Grow your app organically with technologies such App Indexing App Invites and Dynamic Links Understand problems when they arise with crash reporting Fix user problems without direct access to users devices Tie it all together with analytics that give you great intelligence about how users interact with your app Who This Book Is For Experienced Android mobile app developers new to Firebase This book is also for experienced web developers looking to build and deploy web apps for smartphones and tablets too who may be new or less experienced with mobile programming

LEARN FIREBASE Diego Rodrigues,2024-12-23 Welcome to LEARN FIREBASE Integrate Real Time Backend for Web and Mobile Applications 2024 Edition the ultimate guide to exploring the power and versatility of Firebase Written by Diego Rodrigues one of the most recognized technical authors of today this book is the ideal choice for students and professionals seeking to master one of the most revolutionary platforms in modern development Whether you are a beginner or an experienced developer this book offers a practical and detailed approach covering everything from essential fundamentals to the most

advanced features of the platform such as Cloud Firestore Firebase ML and Firebase Hosting Highlights of this work Building robust and scalable backends with real time integration Implementing secure authentication with Firebase Auth Managing data with Realtime Database and Firestore File storage and performance optimization with Firebase Storage Developing advanced applications for Web and Mobile with notifications serverless functions and detailed analytics With clear explanations practical examples and exercises simulating real world challenges this book is the ultimate tool to boost your development career and unlock opportunities in areas such as mobile applications IoT and real time solutions LEARN FIREBASE is more than a manual it is your strategic partner to confidently master the Firebase ecosystem Explore progress and transform your learning into impactful solutions TAGS Python Java Linux Kali HTML ASP NET Ada Assembly BASIC Borland Delphi C C C CSS Cobol Compilers DHTML Fortran General JavaScript LISP PHP Pascal Perl Prolog RPG Ruby SQL Swift UML Elixir Haskell VBScript Visual Basic XHTML XML XSL Django Flask Ruby on Rails Angular React Vue js Node js Laravel Spring Hibernate NET Core Express js TensorFlow PyTorch Jupyter Notebook Keras Bootstrap Foundation jQuery SASS LESS Scala Groovy MATLAB R Objective C Rust Go Kotlin TypeScript Dart SwiftUI Xamarin React Native NumPy Pandas SciPy Matplotlib Seaborn D3 js OpenCV NLTK PySpark BeautifulSoup Scikit learn XGBoost CatBoost LightGBM FastAPI Redis RabbitMQ Kubernetes Docker Jenkins Terraform Ansible Vagrant GitHub GitLab CircleCI Regression Logistic Regression Decision Trees Random Forests AI ML K Means Clustering Support Vector Machines Gradient Boosting Neural Networks LSTMs CNNs GANs ANDROID IOS MACOS WINDOWS Nmap Metasploit Framework Wireshark Aircrack ng John the Ripper Burp Suite SQLmap Maltego Autopsy Volatility IDA Pro OllyDbg YARA Snort ClamAV Netcat Tcpdump Foremost Cuckoo Sandbox Fierce HTTrack Kismet Hydra Nikto OpenVAS Nessus ZAP Radare2 Binwalk GDB OWASP Amass Dnsenum Dirbuster Wpscan Responder Setoolkit Searchsploit Recon ng BeEF AWS Google Cloud IBM Azure Databricks Nvidia Meta Power BI IoT CI CD Hadoop Spark Dask SQLAlchemy Web Scraping MySQL Big Data Science OpenAI ChatGPT Handler RunOnUiThread Qiskit Q Cassandra Bigtable VIRUS MALWARE Information Pen Test Cybersecurity Linux Distributions Ethical Hacking Vulnerability Analysis System Exploration Wireless Attacks Web Application Security Malware Analysis Social Engineering Social Engineering Toolkit SET Computer Science IT Professionals Careers Expertise Library Training Operating Systems Security Testing Penetration Test Cycle Mobile Techniques Industry Global Trends Tools Framework Network Security Courses Tutorials Challenges Landscape Cloud Threats Compliance Research Technology Flutter Ionic Web Views Capacitor APIs REST GraphQL Firebase Redux Provider Bitrise Actions Material Design Cupertino Fastlane Appium Selenium Jest Visual Studio AR VR *Beginning React and Firebase* Nabendu Biswas,2022 Use React with Firebase to build four beginner friendly apps A lot of React tutorials out there today only cover basic web apps but with additional features the web apps included in this book can be converted into fully scaled startups You will start with the basics learn to deploy a React app with Firebase hosting Next you will learn to create a fully functional ToDo app that will use Firebase

database to store a list action items You will also learn to create a Stories app in which you can show short vertical videos and a document storage app Here we will be able to log in using Google Authentication and will learn to store files in the app using Firebase storage Lastly you will create a career social media app Your users will be able to log in using email and password authentication You will learn to use Redux in this project While creating these web apps you will employ multiple concepts including React hooks React components and how to use Material UI You will learn to use Firebase to host your database as well as hosting your app With these projects in your portfolio you ll be ready to take your developer skills to the next level You will Use Firebase s powerful services and how to connect Firebase with React Explore the React ecosystem including Redux and React hooks Work with MaterialUI the popular React UI framework Understand how to use Google Authentication techniques in your sites Deploy all sites using simple Firebase hosting

The Firebase Handbook Robert Johnson,2025-01-10 The *Firebase Handbook* Practical Techniques for Designing and Managing Real Time Databases is an essential guide for developers eager to master the capabilities of Firebase a powerful platform for building robust web and mobile applications This comprehensive resource unravels the complexities of Firebase s suite of tools and services providing readers with the knowledge needed to leverage authentication real time databases cloud functions and more Each chapter is meticulously crafted to guide developers from foundational setup to advanced optimization techniques ensuring applications are both high performing and scalable The book delves into real world applications offering practical insights and best practices for designing efficient data models managing security and implementing offline capabilities It empowers developers with strategies for proactive performance monitoring and seamless integration of analytics to enhance user engagement By charting a clear path through Firebase s ecosystem this handbook serves as both a foundational resource for beginners and a technical reference for experienced practitioners fostering innovation and efficiency in application development

Firebase Fundamentals Mohammad Elsayed,2018 Learn all about Firebase in this video series There are six clips in the video Foundation Firebase Authentication with Email and Password Firebase Authentication with Gmail Storing Structured Data in Firebase Storing Unstructured Data in Firebase Firebase Notifications Resource description page

The Road to React with Firebase Robin Wieruch,2019-01-24 The Road to React with Firebase is your personal journey to master advanced React for business web applications in JavaScript whereas Firebase is used to replace everything that you would want from a backend application Firebase enables you to connect your React application to a database to authenticated users with your application with a login logout and register mechanisms and to authorize only certain users to access your application It also comes with hosting capabilities and with social logins via Google Facebook and more Everything will be explained in the book while building a business web application yourself I wrote the *The Road to React with Firebase* over the last two years During this time I came to understand the practical genius of Firebase and how it dramatically reduces the tech stack to focus on getting sh t done Once you have set up your starter kit project that s what we are going to do together in this book

you are ready to iterate fast on your personal ideas There is no need to complicate things by adding a backend application with a database to your frontend application because Firebase takes care of it with a well designed API I applied the same principles as my other books Stay pragmatic Keep it simple Answer the why not just the how Experience a problem solve a problem This book is not intended to be an end all reference for the Firebase API nor an in depth guide about the internals of Firebase Instead its purpose is to journey through learning Firebase with React the pragmatic way building an entire application on this tech stack yourself The end result is the foundation to make your business application a reality

Requirements To get the most out of this book you should be familiar with the basics of web development which includes knowledge of HTML CSS and JavaScript You will also need to be familiar with the term API because APIs are used frequently for the applications in this book Editor Terminal or IDE For the development environment use a running editor terminal command line tool or IDE with integrated terminal I will provide a setup guide if you re unsure about which tools to use The guide is set up for MacOS users but you can find a Windows setup guide there as well Node and NPM You will need to have node and npm installed which are used to run the applications we ll build and manage the libraries we ll use along the way In this book you will install external node packages via npm node package manager These node packages can be libraries or whole frameworks You can verify which node and npm versions you have in the command line node version v10 11 0 npm version v6 5 0 These are the versions used for this publication If you don t see output in your terminal you will need to install node and npm React My other book called The Road to learn React teaches the fundamentals about React by building a real world application It is available for free and after having read it you should possess all the understanding necessary to work with the application s from this book Also there will be many sidenotes to React articles that may be helpful

Building Real-Time Mobile Apps with Websockets and Firebase Renata Sloane,2025-07-06 Build Fast Interactive and Real Time Mobile Apps That Keep Users Engaged In today s hyper connected world users expect apps to be instant interactive and always up to date From chat applications and live dashboards to multiplayer games and collaborative tools real time communication is becoming the gold standard Building Real Time Mobile Apps with WebSockets and Firebase is your practical step by step guide to creating mobile applications that deliver instant updates and seamless interactions using the power of WebSockets and Firebase Realtime Database Whether you re a mobile developer software engineer or tech entrepreneur this book equips you with the knowledge and tools to bring real time features to life without the complexity In this essential guide you ll learn how to Implement real time communication using WebSockets for instant data exchange Use Firebase Realtime Database and Firebase Firestore for scalable cloud based data syncing Build chat systems live notifications collaborative tools and multiplayer features Manage connections authentication and security for real time apps Optimize performance and minimize latency across mobile networks Deploy and scale real time apps on both Android and iOS platforms Packed with real world examples code snippets and best practices this book gives you everything you need to

build dynamic interactive and engaging mobile applications that keep users coming back Don't just build apps build experiences that happen in real time *Build a Slack Chat App with React, Redux, and Firebase* Reed Barger, 2019 Create a complete full stack chat application from front to back with React Redux Firebase 5 and Semantic UI React About This Video Create a complete Slack chat application with React Redux and Firebase 5 from scratch Send and receive messages instantly with the real time Firebase Database Upload and display image messages using Firebase Storage In Detail Interested in building impressive full stack apps with React Redux and Firebase This is the course for you Throughout this course you'll be building a live chat app called DevChat for developers where users will be able to create channels send messages to other users on those channels send media files see when other users are typing add emojis to their messages favorite and unfavorite channels they like or dislike and get notifications about new messages on other channels React: Cloud-Powered Apps with Firebase Victor Mejia, 2020 Modern web applications require more than just your React code You need hosting APIs authentication and automatic deployments You need to build apps fast without managing infrastructure Firebase allows you to do exactly that Backed by Google Cloud Platform and used by some of the largest apps today Firebase is a suite of tools to help build and scale your web application In this course instructor Victor Mejia goes over the different services provided by Firebase as well as how to work with them to build a serverless application To begin Victor takes a look at the Firebase console and how it can help you manage different Firebase projects He then demonstrates how to use Firebase Authentication to add authentication to your app store data using Firebase Cloud Firestore and deploy your app using Firebase Hosting Plus see how to create your own serverless functions using Firebase Cloud Functions

Unveiling the Energy of Verbal Art: An Psychological Sojourn through **Firestore How To Push Notification With Firestore Grokbase**

In a world inundated with displays and the cacophony of fast transmission, the profound energy and mental resonance of verbal art frequently diminish into obscurity, eclipsed by the regular barrage of sound and distractions. However, located within the musical pages of **Firestore How To Push Notification With Firestore Grokbase**, a interesting perform of fictional elegance that impulses with fresh thoughts, lies an unforgettable trip waiting to be embarked upon. Penned by way of a virtuoso wordsmith, this mesmerizing opus books readers on a mental odyssey, softly revealing the latent possible and profound impact stuck within the delicate web of language. Within the heart-wrenching expanse of the evocative examination, we shall embark upon an introspective exploration of the book is key subjects, dissect its charming writing model, and immerse ourselves in the indelible impact it leaves upon the depths of readers souls.

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Table of Contents Firestore How To Push Notification With Firestore Grokbase

1. Understanding the eBook Firestore How To Push Notification With Firestore Grokbase
 - The Rise of Digital Reading Firestore How To Push Notification With Firestore Grokbase
 - Advantages of eBooks Over Traditional Books
2. Identifying Firestore How To Push Notification With Firestore Grokbase
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Firestore How To Push Notification With Firestore Grokbase
 - User-Friendly Interface

4. Exploring eBook Recommendations from Firestore How To Push Notification With Firestore Grokbase
 - Personalized Recommendations
 - Firestore How To Push Notification With Firestore Grokbase User Reviews and Ratings
 - Firestore How To Push Notification With Firestore Grokbase and Bestseller Lists
5. Accessing Firestore How To Push Notification With Firestore Grokbase Free and Paid eBooks
 - Firestore How To Push Notification With Firestore Grokbase Public Domain eBooks
 - Firestore How To Push Notification With Firestore Grokbase eBook Subscription Services
 - Firestore How To Push Notification With Firestore Grokbase Budget-Friendly Options
6. Navigating Firestore How To Push Notification With Firestore Grokbase eBook Formats
 - ePub, PDF, MOBI, and More
 - Firestore How To Push Notification With Firestore Grokbase Compatibility with Devices
 - Firestore How To Push Notification With Firestore Grokbase Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Firestore How To Push Notification With Firestore Grokbase
 - Highlighting and Note-Taking Firestore How To Push Notification With Firestore Grokbase
 - Interactive Elements Firestore How To Push Notification With Firestore Grokbase
8. Staying Engaged with Firestore How To Push Notification With Firestore Grokbase
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Firestore How To Push Notification With Firestore Grokbase
9. Balancing eBooks and Physical Books Firestore How To Push Notification With Firestore Grokbase
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Firestore How To Push Notification With Firestore Grokbase
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Firestore How To Push Notification With Firestore Grokbase
 - Setting Reading Goals Firestore How To Push Notification With Firestore Grokbase
 - Carving Out Dedicated Reading Time

12. Sourcing Reliable Information of Firestore How To Push Notification With Firestore Grokbase
 - Fact-Checking eBook Content of Firestore How To Push Notification With Firestore Grokbase
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
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 - Integration of Multimedia Elements
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