

# Mini Instagram

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# Agenda

Intro

Demo

Technology Stack

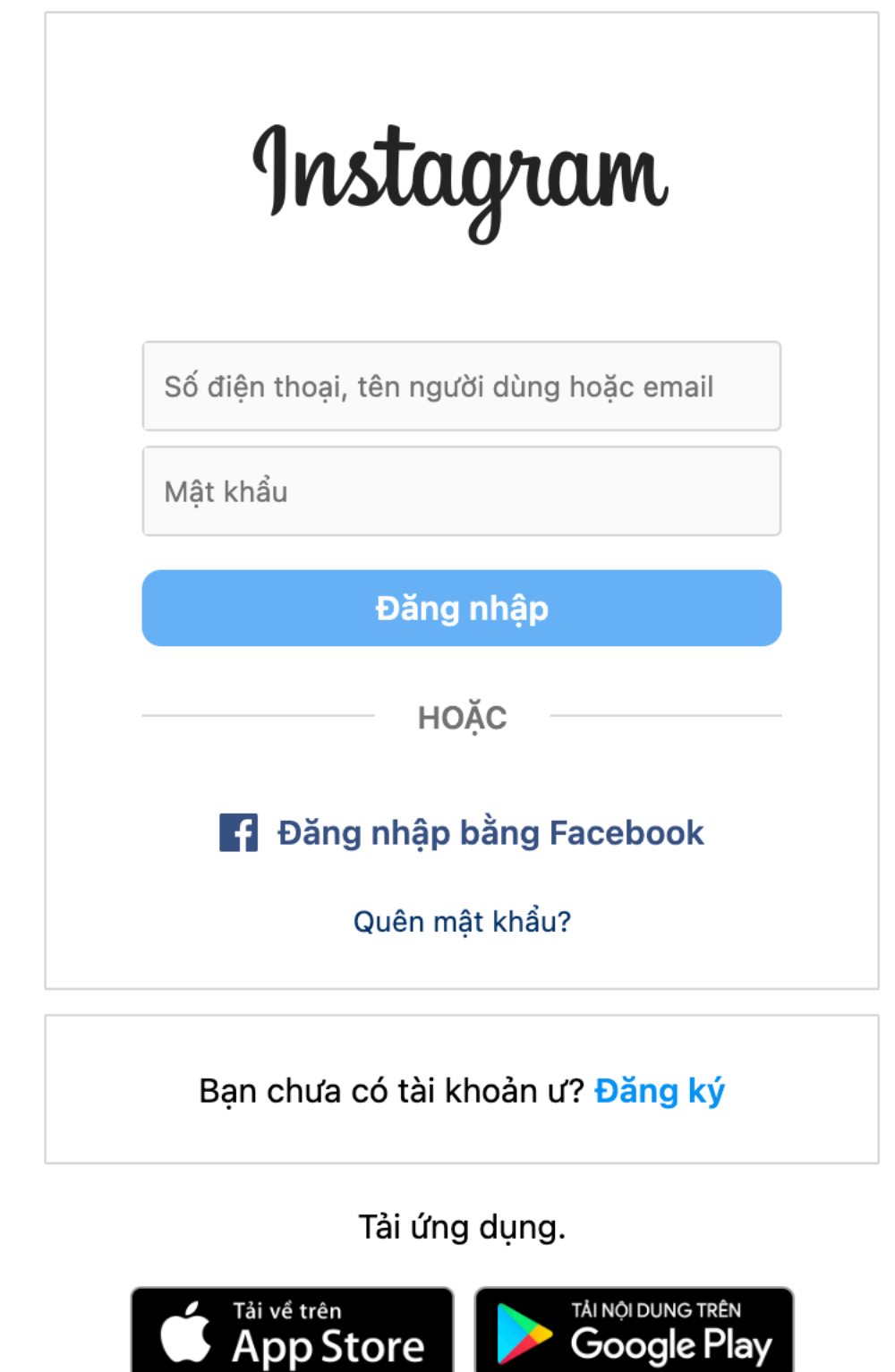
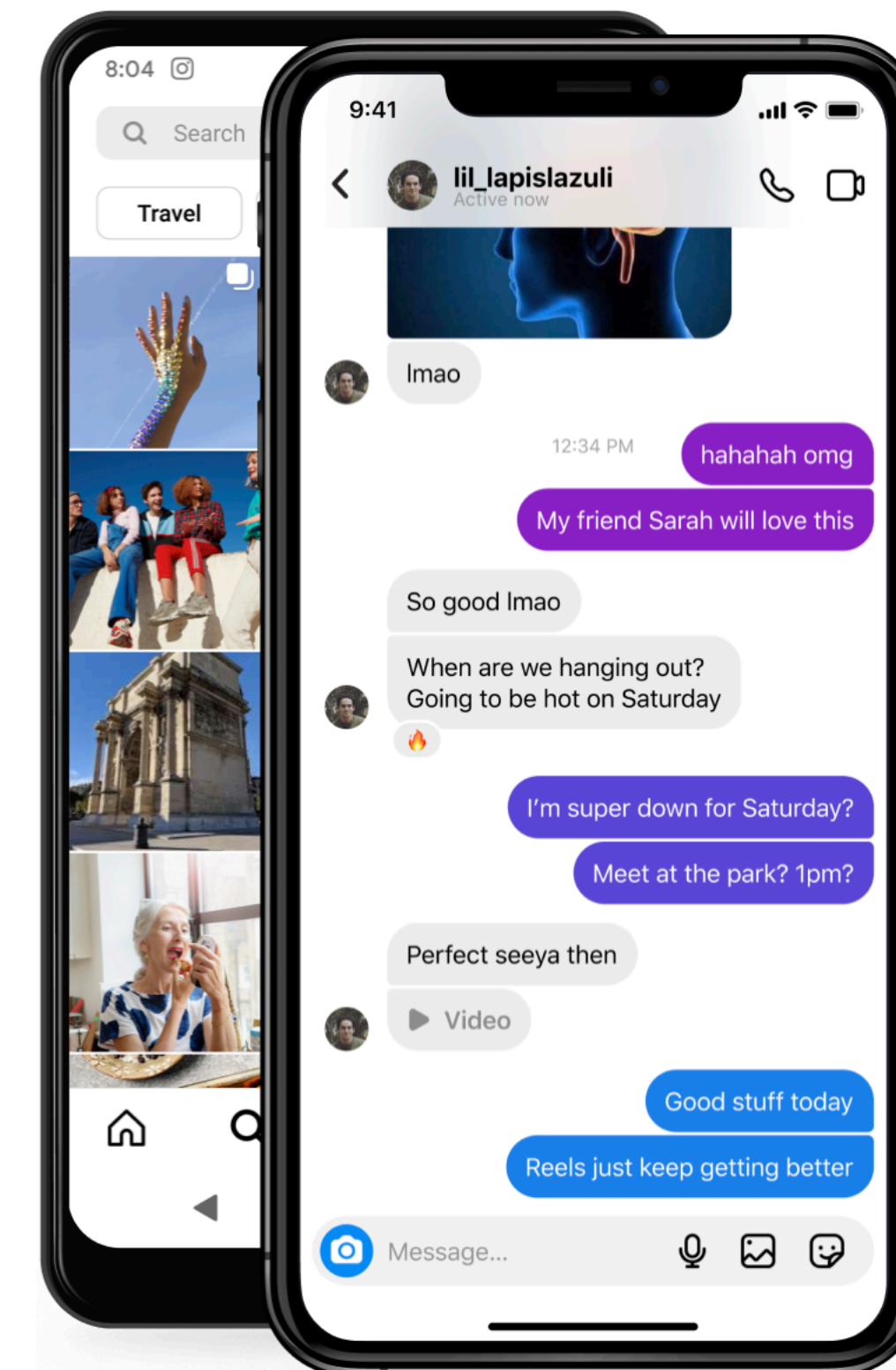
Application Architecture

Challenges and Solutions

# Intro

# Intro

- **My Team**
  - Van Bao Khanh - Front End
  - Nguyen Hung Quoc - Back End
- **My Project**
  - An Instagram-like platform
  - with some key features

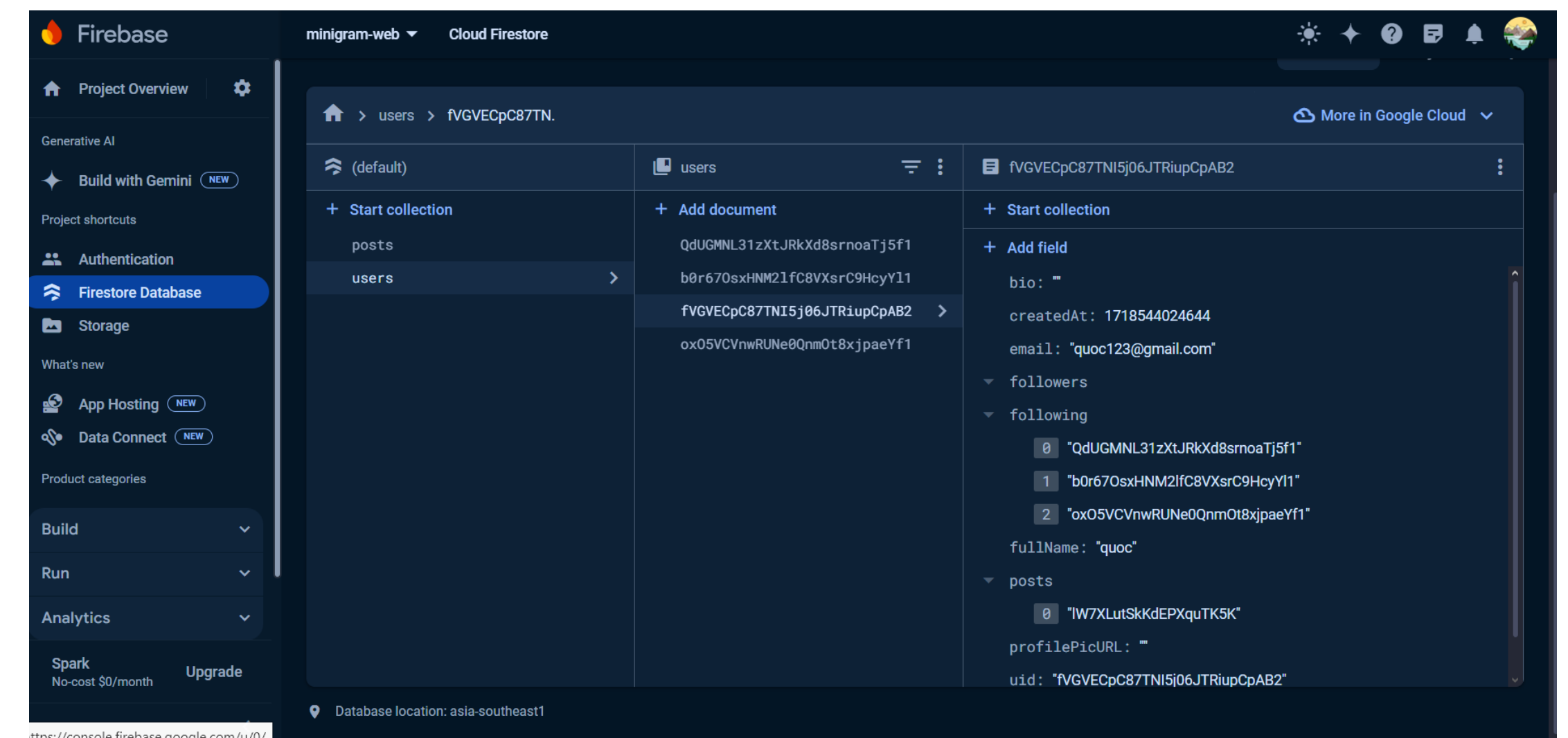
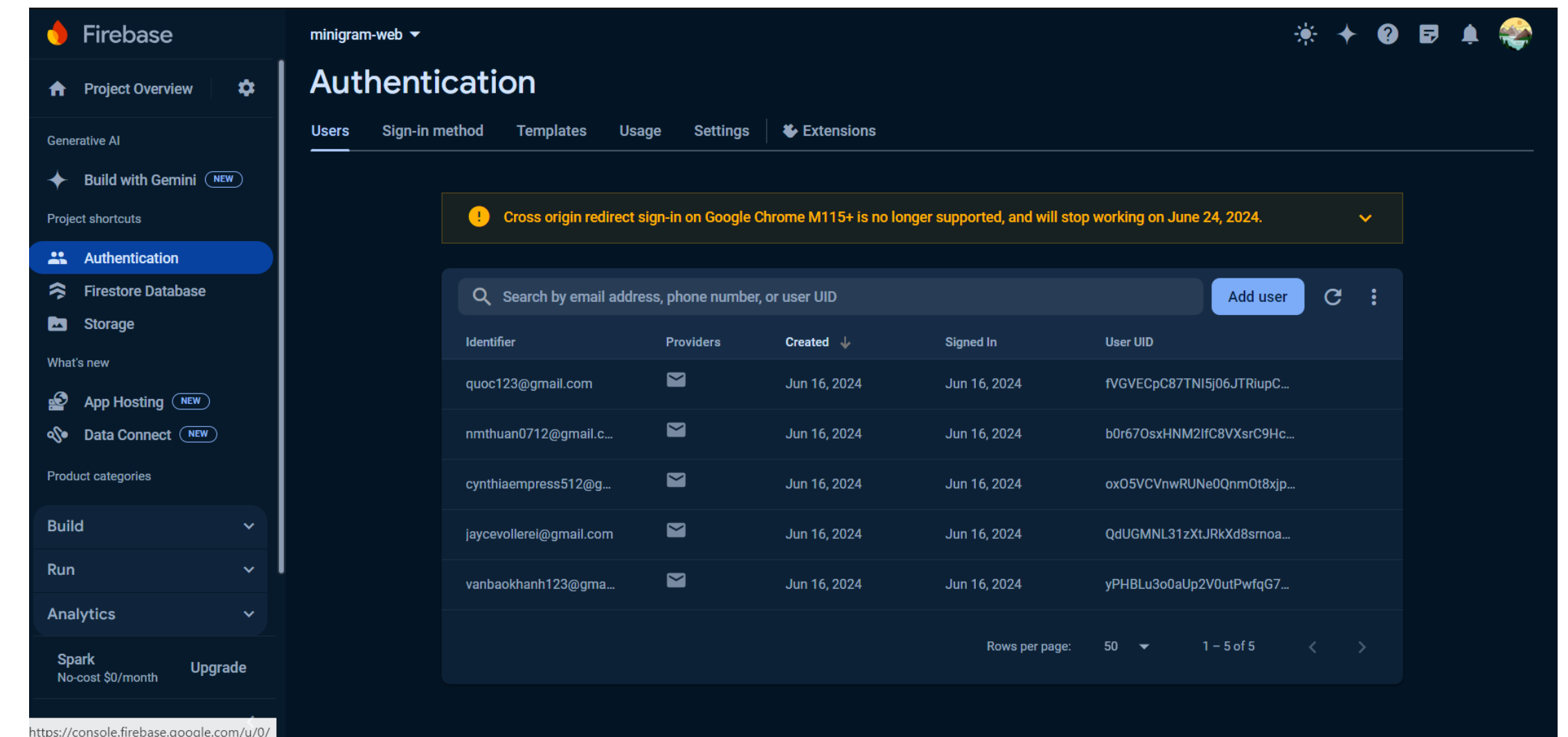


Demo

# Mini Instagram

## Demo

- User Authentication
- User Profiles
- Create and view posts
- Real-Time Interactions
  - Add comments and likes
  - Follow and unfollow

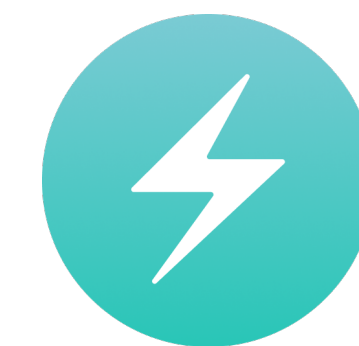
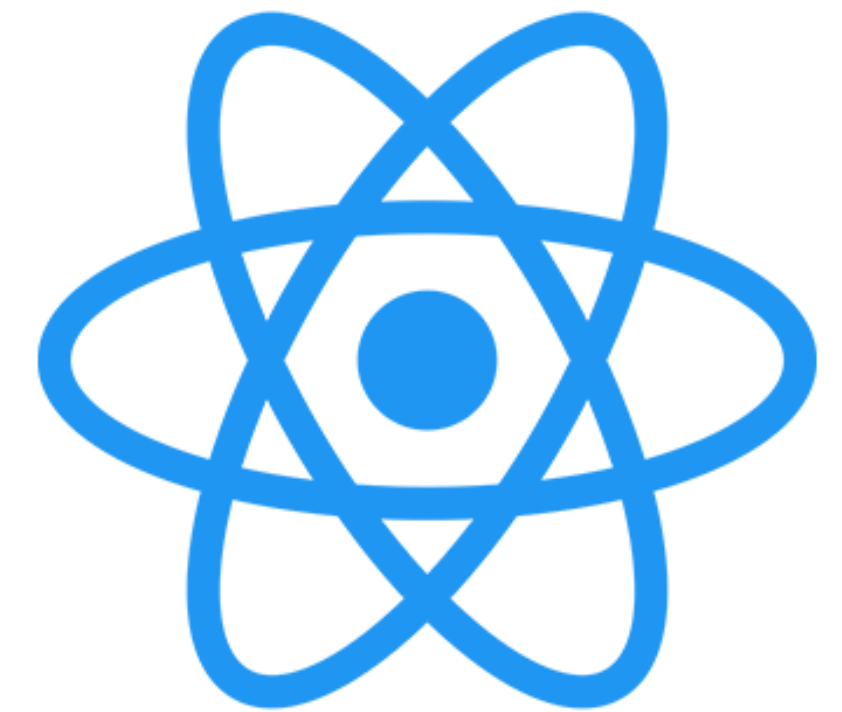


# Technology Stack

# Mini Instagram

## Technology Stack

- **Front-End:** React
  - Component-based architecture
  - Reusable UI components
- **Back-End:** Firebase
  - Firebase Authentication
  - Firestore Database
  - Firebase Storage
  - Firebase Functions (Optional)



**chakra**

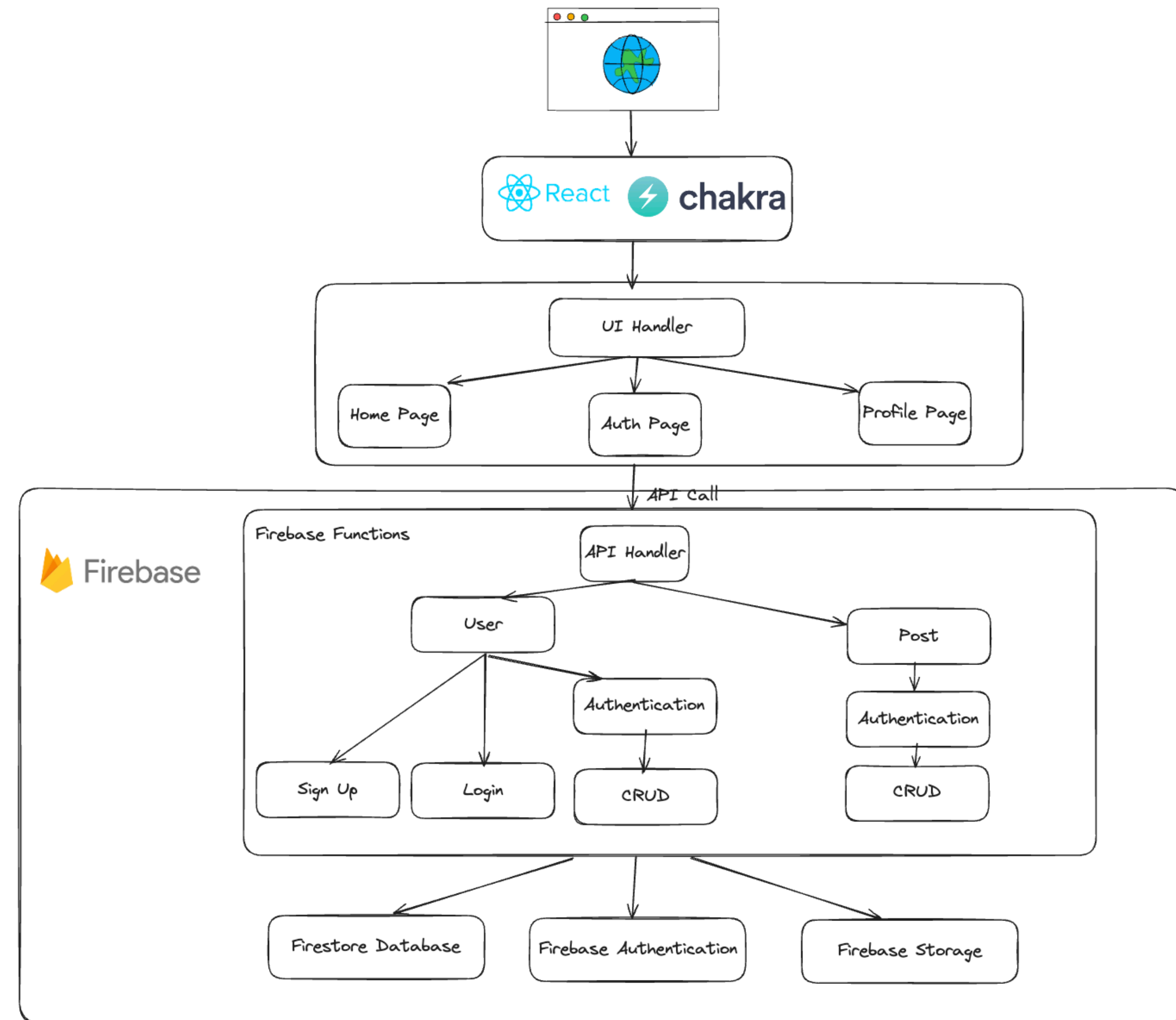


# Architecture

# Mini Instagram

## High-level Architecture

- **React** handles the UI with **Chakra UI** for styling.
- **Firebase** manages authentication, real-time database, and storage.
- **API calls** connect the front-end to **Firebase** services for seamless user interactions.



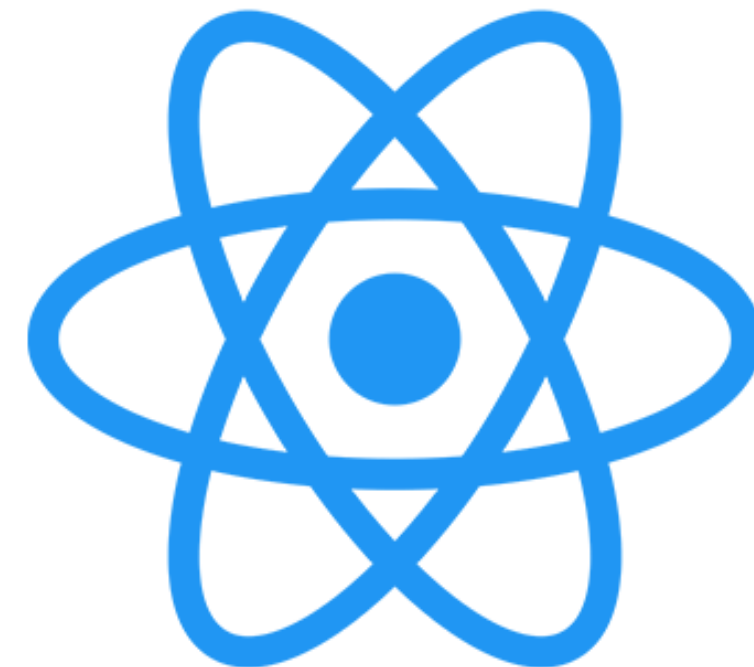
# Challenges and Solutions

# Mini Instagram

## Challenges

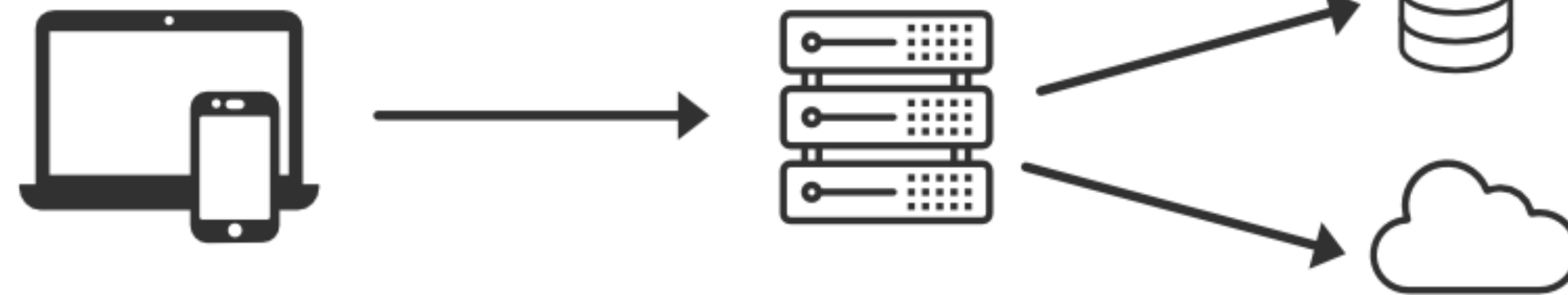
- Handling Asynchronous Data
- Managing User State
- Ensuring Real-Time Updates

## Solution



# Conclusion

**Traditional**



**Firebase**



**Firebase makes differences**

**Thanks for your listening**