

SAMI ULLAH

Senior Full-Stack & Mobile Engineer

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Riyadh, Saudi Arabia

ABOUT ME

Full-Stack & Mobile Engineer based in Riyadh with 3+ years of experience engineering high-performance web applications and cross-platform mobile products. Specialist in Node.js, Next.js, React, and Flutter with deep expertise in local Saudi payment integrations (MyFatoorah), AWS S3, and real-time backend architectures. Published author of open-source libraries on Pub.dev with over 500+ downloads. Dedicated to building scalable digital solutions aligned with Saudi Vision 2030 digital transformation initiatives.

WORK EXPERIENCE

Dunkin Art | Gujranwala, Pakistan | December 2023 - March 2026

Senior Software Engineer

- Architected full-stack web applications using Node.js backends and Next.js / React.js frontends to deliver fast, SEO-optimized, server-rendered platforms.
- Integrated local Saudi payment systems (MyFatoorah) and managed cloud asset storage pipelines using AWS S3.
- Engineered cross-platform mobile applications using Flutter and React Native, delivering responsive UI/UX across iOS and Android devices.
- Designed and maintained scalable RESTful APIs connected with MongoDB databases to power client-facing web and mobile applications.

Falcon Consulting | Lahore, Pakistan | October 2022 - September 2023

Mobile Application Developer

- Developed cross-platform mobile app interfaces and robust state management systems using React Native and Flutter.
- Collaborated with Node.js backend engineering teams to optimize API payload efficiency and reduce mobile app response latency.
- Streamlined mobile build deployments and integrated third-party SDKs to improve application stability and performance.

SKILLS

- Node.js
- Next.js
- Express.js
- Redis
- RESTful APIs
- MyFatoorah Payment Gateway
- React.js
- TypeScript
- JavaScript
- MinIO
- Webhooks
- Apple & Google Wallet APIs
- Python (Learning)
- Flutter (Dart)
- MongoDB
- AWS S3
- Socket.IO
- MQTT
- Tailwind CSS

FEATURED PROJECTS

CardlySa – Digital Business Card & SaaS Platform

- Designed and built a full-stack digital business card SaaS application using React.js, Node.js, and MongoDB.
- Integrated Apple Wallet and Google Wallet APIs alongside dynamic VCF contact file generation for instant digital contact sharing.
- Implemented MyFatoorah payment gateway for seamless subscription management and local online transactions in Saudi Arabia.

Open Source Flutter Packages (Pub.dev)

- Created, published, and maintained multiple open-source packages for the global Flutter developer community (**formik_flutter**, **hive_quick**, **in_air_update**).
- Accumulated 500+ total downloads, focusing on streamlined form building, rapid local storage handling with Hive, and smooth over-the-air (OTA) application updates.

KARDZ – Enterprise Digital Business Card & Wallet Platform

- Architected and built an enterprise-grade SaaS platform for deploying custom-programmed NFC cards, dynamic mobile wallet passes, and fully white-labeled digital identities.
- Developed a visual custom pass design studio featuring fine-grained RBAC permission controls, custom branding, and real-time Apple & Google Wallet push updates.
- Implemented MQTT hardware synchronization and dynamic custom NFC task execution for seamless IoT and physical smart card interactions.
- Built high-throughput event streaming pipelines using Apache Kafka alongside JWT-secured authentication for enterprise-level scalability and security.
- Integrated an automated recurring subscription billing engine to handle multi-tier corporate plans and subscription lifecycle management.

Smart Home Automation System

- Designed and developed a full-stack IoT home automation solution featuring triple-control access via physical hardware switches, an IR/RF remote, and a cross-platform Flutter mobile app.
- Built a real-time event synchronization network using Socket.IO, Node.js, and MongoDB for sub-second appliance state management and instant status updates.
- Programmed hardware microcontrollers in C++ using Arduino IDE and integrated MinIO S3 bucket storage for efficient media and system log data management.
- Optimized mobile app performance utilizing Provider state management, rapid local caching with Quick Hive, and smooth over-the-air (OTA) app updates using In Air Update.

PrivacyPro VPN: Fast & Secure – Mobile Application

- Developed and published a high-performance cross-platform VPN application on the Google Play Store, scaling to 10K+ total downloads.
- Integrated secure OpenVPN tunneling protocols and dynamic server routing via a Node.js backend to ensure fast and encrypted connection management.
- Implemented monetization strategies combining Google In-App Purchases, RevenueCat subscription workflows, and AdMob ad integration.
- Utilized Flutter for seamless mobile UI development, managing cloud infrastructure and server configs using Amazon S3 bucket storage.