Muhammad Saad Shafiq

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Professional Summary

Accomplished Flutter Developer and Software Engineer with a strong background in developing cross-platform mobile applications, utilizing Clean Architecture and scalable state management solutions. Demonstrated proficiency in integrating back-end services, implementing CI/CD pipelines, and deploying applications on cloud platforms. Skilled in creating localized, responsive user interfaces and optimizing app performance for high-traffic environments. Committed to adopting the latest Flutter advancements and DevOps methodologies to deliver robust, user-centric solutions.

Skills

Frontend: Flutter, Dart, Android (Java/Kotlin), Jetpack Compose, Figma, i18n/RTL

Backend: Node.js, Python, REST/GraphQL, Firebase Functions, Shell Scripting

Databases: PostgreSQL, MySQL, SQLite, Hive, Firebase Realtime Database, AWS RDS

Cloud & DevOps: AWS (EC2, S3, Lambda), GCP, Docker, GitHub Actions, CI/CD Pipelines

Project Management: Agile/Scrum, Jira, Confluence, Roadmaps, Stakeholder Communication

Tools & QA: Git, Selenium, Mockito, mocktail, Golden Tests, Android Studio, VS Code

Professional Experience

Full Stack Mobile App Developer   Lahore, Pakistan
Zentech Solutions   *2023–Present*

- Built and delivered 10+ cross-platform Flutter applications for diverse clients, utilizing Provider, Cubit, Clean Architecture, and very_good_cli templates to ensure scalable and maintainable codebases.

- Developed and deployed 25+ automated web scraping scripts using Python (requests, aiohttp, Selenium, BeautifulSoup), hosted on GCP and AWS to streamline client data acquisition and analysis.

- Integrated REST APIs, Firebase, and GraphQL backends to enable real-time updates, secure authentication, and dynamic content delivery.

- Designed responsive, localized UIs with device-specific optimization, enhancing user retention and multi-device user experiences.

- Migrated legacy Android apps to Flutter, significantly improving performance, UI consistency, and user engagement across platforms.

- Conducted golden tests, unit tests, and widget/UI tests to ensure robust code quality, high test coverage, and stable production releases.

- Led DevOps activities, including CI/CD automation with GitHub Actions, GCP server setup, cloud deployments, and DNS/domain management for web and mobile ecosystems.

- Collaborated with cross-functional teams (backend engineers, frontend developers, QA testers) to ensure seamless agile project deliveries aligned with client and stakeholder requirements.

Software Engineer   Lahore, Pakistan
New Elevation   *February 2023 - July 2023*

- Provided technical support for an Oracle ATG-based e-commerce platform, diagnosing backend log errors and correcting file formatting to ensure seamless data ingestion for sellers.

- Mitigated deployment conflicts during system updates, maintaining smooth transaction flows and minimizing downtime for sellers.

- Audited database deletion requests, verifying record integrity by cloning production environments to staging and preventing critical data loss.

- Developed and executed advanced SQL queries to extract, analyze, and deliver requested datasets, enhancing operational reporting and seller platform support.

Key Projects

Ambassador Bridge Toll Operations System (Patron Management + Eris)

- A dual-application system streamlining Ambassador Bridge toll operations: Patron Management (for vehicle owners) enables account registration, vehicle verification, digital wallet management, transaction tracking, and automated toll payments via geo-fencing, while Eris (for toll plaza staff) facilitates vehicle classification, ticket generation, multi-payment processing, real-time signboard integration, lane status management, and gate automation.

Schoollet

- A digital financial management platform for students and parents, offering virtual wallets, QR-based cafeteria purchases, child account management, financial goal tracking, and incorporated Telr payment gateway, supported by staging and production dashboards and a branded web portal.

AlQaswa Hostel Management System (HMS + EMS)

- A comprehensive cloud-based hostel management platform integrating student registration, digital enrollment, automated payment tracking, and a real-time expense management system (EMS) built on Firebase to categorize purchases, calculate monthly compensations, issue alerts, and provide owners with instant operational visibility and financial transparency.

ScentsAbility Games

- A therapeutic mobile game suite including adaptive Match Games, Coloring Games and Jigsaw Puzzles, designed to support sensory rehabilitation therapy, achieving a 4.7/5 Play Store rating and engaging 15K+ active users.

Education

National University of Computer and Emerging Sciences   Lahore, Pakistan
Bachelor of Science in Computer Science   *2019-2023*