

HAMZA AL-SHEIKH

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Summary

Software Engineer with +5 years of experience specializing in front-end and mobile development, with full-stack capabilities. Experienced in building cross-platform mobile and web applications, optimizing performance, and mentoring development teams. Focused on delivering scalable, secure solutions through thoughtful architecture.

Employment

Software Engineer, Elisyan Wealth Ventures 01/2023 – Present

- Led the development of a mobile app for managing finances, optimizing data processing and visualization using TypeScript, React Native, and SQLite.
- Designed and executed offline-first local database with SQLite, ensuring 100% app functionality without internet connectivity.
- Architected and deployed serverless backend using AWS Lambda, Express.js, DynamoDB, and Cognito to power mobile app functionality.
- Migrated codebase from Ionic to React Native, improving app performance by 35% and enhancing maintenance.
- Developed native modules for iOS/Android handling ECC secure key pair generation and AES-256 encryption.

Frontend Engineer, One It Solution 01/2022 – 01/2023

- Maintained scalable system-wide components for a restaurant management web app and implemented new features like a shopping cart system and advanced table filtering.
- Enhanced item catalogs, order management, and reporting modules, improving operational efficiency by 25%.
- Optimized state management with Redux and refactored legacy code, reducing bug reports by 15%.
- Mentored 2 junior developers through code reviews and task assignments, accelerating their progression to mid-level roles within 9 months.

Frontend Developer, Qlevar 06/2020 – 01/2022

- Developed restaurant management features including digital menus and order processing under senior guidance, translating requirements into scalable solutions.
- Reduced load time by over 60% by replacing Material icons with font-based icons.
- Wrote comprehensive unit and widget tests, increasing code coverage to 70%.

Education

Tishreen University, Bachelor of Computer Engineering – Latakia, Syria. 09/2017 – 09/2022

Skills

Proficient: HTML, CSS, JavaScript, TypeScript, React.js, React Native, Redux, Express.js, REST API, SQL, SQLite, Tailwind CSS, Material UI, Responsive Design, Flutter, Dart.

Familiar: Next.js, Angular, MongoDB, AWS Services, Native Android/iOS Development.

Technical Achievements

- **Geospatial Tracking System:** Engineered a Swift- and Kotlin-based full geo-tracking system for a React Native app with real-time location, geocoding, offline support, background processing, and a SQLite engine for movement logging, region detection, and automated stay-duration analysis.
- **Financial Compliance Implementation:** Developed FBAR and IRS Form 8938 calculation engines with multi-table aggregation, asset classification, and automated CSV/PDF report generation with visualizations.
- **AWS Serverless Architecture:** Integrated AWS Amplify, Lambda, and DynamoDB with webhook processing, batched API requests, conflict resolution, and optimized data synchronization for mobile applications.