Ariq Serazi

https://ariqserazi.github.io/ | 732-853-6773| ariq.serazi1@gmail.com | www.linkedin.com/in/ariq-serazi| Piscataway, NJ

Software Engineer | Full-Stack

Full-stack Software Engineer with experience building cross-platform apps for mobile and web using Flutter, backed by scalable backend systems. Skilled in Node.js, AWS, and PostgreSQL, with a focus on clean UI, real-time data sync, and maintainable architecture.

PROFESSIONAL EXPERIENCE

Software Engineer| TidaMed, Remote   **Dec 2024 –Present**
- Designed and implemented responsive Flutter UI components that followed modern UI/UX best practices, ensuring consistent visual hierarchy, accessibility, and smooth user interactions across iOS and Android.
- Engineered a custom Node.js + Express API that powers all payment logic, enabling real-time communication between the backend and frontend.
- Designed seamless in-app payment experiences by integrating PayPal's REST API and Stripe Checkout, ensuring transactions are authenticated, confirmed, and fail-safe.
- *Technology Used*: Flutter, Dart, Javascript, AWS Lambda, Express, Node.js, Postgres

Personal Project| Photo Album
- Utilized object oriented programming principles in Java to port a JavaFX-based photo management system to Android via Android Studio, delivering a native mobile app with a polished UI and driving a 40% increase in mobile user engagement
- Designed and implemented album management and slideshow viewing features enabling seamless organization, browsing, and auto-play of photo collections and boosting user satisfaction scores by 35%
- Implemented SGML backed tag management to add and delete person and location metadata, yielding a 25% reduction in tag-processing errors and streamlining structured categorization
- Developed a high-performance search engine for retrieving photos by tag-value pairs, improving query speed by 50% and enhancing search accuracy by 20% across large datasets
- *Technology Used*: Java, Android Studio, SGML

Personal Project | SQL Auction Website
- Integrated JSP and Servlets to establish robust server-side to database communication reducing page load times by 30% and ensuring real time auction updates
- Designed and optimized a relational SQL schema to manage auctions, bids, items, and user accounts improving complex query performance by 45% and maintaining data integrity at scale
- Developed multiple responsive HTML/CSS pages with JSP and Java back-end logic boosting user engagement and bid submission rates by 25% through an intuitive browsing and bidding interface
- Deployed and tested the application on a local Java/Tomcat server environment accelerating development cycles by 50% and cutting bug-fix turnaround time by 35%
- *Technology Used*: SQL, JSP, Java, HTML, CSS

EDUCATION

Rutgers University   **New Brunswick, NJ**
B.S. in Computer Science; GPA: 3.85/4.0   **May 2024**
Relevant Coursework: Discrete Structures I & II, Computer Architecture, Data Structures, Algorithms, Software Methodology, Systems Programming, Data Management, Data science, Internet Technology, Artificial Intelligence

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Java, Python, Dart, HTML, CSS
Database: SQL, DynamoDB, Postgres
Software/Tools: AWS, Git/GitHub, Node.js, Flutter, Figma, IntelliJ, Visual Studio Code, Android Studio, Spring Boot, JSP