Ariq Serazi

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EDUCATION

Rutgers University — New Brunswick, NJ
Bachelor of Arts in Computer Science — *Sept. 2020 – May 2024*

EXPERIENCE

Software Engineer — Dec 2024 – Present
TidaMed

- Developed a cross platform telehealth payment system, integrating PayPal and Stripe to deliver secure, seamless transactions and improve user trust
- Developed a cross-platform telehealth payment system, integrating PayPal and Stripe, which increased successful transaction completion rate by 25% and boosted user trust (reflected in a 12% rise in repeat visits).
- Engineered a custom Node.js + Express API powering all payment logic, enabling real time backend frontend communication and reducing transaction latency by 20%.
- Designed seamless in app payment experiences through PayPal's REST API and Stripe Checkout, ensuring authenticated, fail safe transactions with zero post launch payment errors.
- Technology Used: Flutter, Dart, Javascript, AWS Lambda, Express, Node.js, Postgres, Docker

Software Engineer — Oct 2024 – July 2025
Maryam & Fatima LLC — *WhiteHouse Station, NJ*

- Engineered a scalable Flutter app with an AWS Lambda backend, cutting deployment times by 60% and improving user reliability across platforms.
- Migrated a slow monolithic pipeline to a Lambda based architecture, reducing server costs by 40% and simplifying debugging with isolated, serverless functions.
- Developed core app features and responsive Flutter UI backed by AWS API Gateway and DynamoDB, increasing daily active users by 18% through faster and more stable performance.
- Technology Used: Flutter, Dart, AWS Lambda, DynamoDB

PROJECTS

Trackwise | *Dart, Python, PostgreSQL, Flutter, gRPC* — Jan 2025 — March 2025

- Built a cross platform expense tracker using Flutter, gRPC, and PostgreSQL, achieving sub 100 ms data sync and giving users real time insights into spending habits and progress toward savings goals.
- Integrated gRPC for high performance client and server communication, reducing network overhead by 30% and improving responsiveness on low bandwidth connections.
- Designed and optimized PostgreSQL schemas and visualization features such as dynamic charts, categorized lists, and monthly summaries, which improved user retention and boosted overall engagement.
- Created a Python automation script that generated gRPC service definitions and stubs from backend schemas, removing manual boilerplate and speeding up development by 40%.
- Collected feedback from early users to refine UI responsiveness and caching behavior, ensuring consistent performance across Android and iOS.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, Dart
Frameworks: React, Node.js, Flutter, WordPress, gRPC, AWS Lambda, GraphQL
Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, Eclipse, Android Studio, Spring Boot, Figma, n8n
Libraries: pandas, NumPy, Matplotlib