

# Ariq Serazi

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## EXPERIENCE

### Software Engineer

Dec 2024 – Present

*TidaMed*

*Piscataway, NJ*

- 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

### Automation Engineer

Oct 2025 – Present

*Amin AI*

*Edison, NJ*

- Engineered an AI driven content automation system in n8n integrating Google Sheets, Docs, and Gemini to generate and manage historical documentary scripts for YouTube
- Developed multi step LangChain agent workflows with structured JSON parsing, Gemini powered text generation, and Google TTS/Kokoro audio synthesis for automated narration
- Designed modular code nodes and HTTP requests to process, trim, and store text and audio assets, reducing manual video preparation by over 90%.
- Technology Used: JSON, n8n, Google Cloud API

## 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%.

## 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

## EDUCATION

### Rutgers University

*Bachelor of Science in Computer Science (GPA: 3.85 / 4.00)*

New Brunswick, NJ

*Sept. 2020 – May 2024*