

Ariq Serazi

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EXPERIENCE

Software Engineer

Maryam & Fatima LLC

Oct 2024 – July 2025

WhiteHouse Station, NJ

- Developed a secure telehealth payment platform integrating PayPal and Stripe, improving transaction completion by 25% while ensuring reliable and protected payment processing.
- Engineered backend APIs using Node.js and Express to securely handle payment logic, reducing processing latency by 20% and ensuring system reliability.
- Implemented authenticated payment workflows using REST APIs, ensuring transaction integrity and preventing post deployment payment failures.
- Deployed serverless infrastructure using AWS Lambda and DynamoDB, improving system scalability and ensuring secure cloud based data handling.

Software Engineer

TidaMed

Dec 2024 – Present

Piscataway, NJ

- Built secure serverless telehealth payment systems using AWS Lambda, API Gateway, PostgreSQL, and Node.js, reducing transaction latency by 20%.
- Integrated Stripe and PayPal REST APIs with authenticated workflows, improving transaction completion by 25% while ensuring secure payment processing.
- Developed backend and frontend components using Node.js, Express, Flutter, and AWS, ensuring reliable and protected production systems.

Automation Engineer

Amin AI

Oct 2025 – Present

Edison, NJ

- Engineered secure automation pipelines integrating Google Cloud APIs, Gemini, and external services, enforcing strict JSON validation and structured data controls to ensure reliable processing.
- Developed and deployed a MediaWiki Bridge API using Python and FastAPI with domain filtering, input validation, and controlled REST endpoints to securely retrieve external data.
- Implemented request filtering, schema enforcement, and chunked retrieval to prevent malformed inputs and improve system stability, reducing pipeline failures by 70%.
- Containerized and deployed services using Docker and cloud infrastructure, ensuring secure runtime isolation and reliable production operation.

PROJECTS

Trackwise | Dart, Python, PostgreSQL, Flutter, gRPC

Jan 2025 — March 2025

- Built a cross platform expense tracker using Flutter and gRPC achieving sub 100ms real time synchronization.
- Implemented high performance gRPC services reducing network overhead by 30%.
- Designed PostgreSQL schemas and automated service integration using Python, accelerating development by 40%.

MediaWiki Bridge API | Python, FastAPI, Docker, REST APIs

Feb 2026

- Designed and deployed a secure REST API to retrieve structured data from MediaWiki sources using FastAPI and validated endpoints.
- Implemented input validation, domain filtering, and schema enforcement to prevent unauthorized or malformed requests.
- Containerized and deployed using Docker, ensuring secure, reliable, and scalable cloud operation.

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, AWS, REST APIs, FastAPI, API Gateway, VS Code, PyCharm, Linux

Security: API security, input validation, secure cloud deployment, structured logging, authentication workflows

EDUCATION

Rutgers University

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

New Brunswick, NJ

Sept. 2020 – May 2024