Ariq Serazi

732-853-6773 | ariq.serazi1@gmail.com | linkedin.com/in/ariq-serazi | github.com/ariqserazi | ariqserazi.github.io

EXPERIENCE

Software Engineer — Oct 2024 – July 2025
Maryam & Fatima LLC — *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 — Dec 2024 – Present
TidaMed — *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 — Oct 2025 – Present
Amin AI — *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%.
- Switched a local narration workflow from an older TTS setup to Qwen TTS using Docker and Python, improving speech clarity and pronunciation.

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, MCP* — Feb 2026 — Present

- Designed and deployed a secure REST API to retrieve structured canonical data from MediaWiki sources using validated endpoints.
- Built an MCP server adapter to enable LLM clients to query the API through a controlled tool interface with strict input validation and domain filtering.
- Containerized and deployed using Docker, ensuring secure and reliable cloud operation.

TECHNICAL SKILLS

Languages: Python, Java, C/C++, JavaScript, SQL (PostgreSQL), Dart, HTML/CSS
Frameworks: FastAPI, Node.js, React, Flutter, gRPC, GraphQL, Express
Cloud & Developer Tools: AWS (Lambda, API Gateway, DynamoDB), Google Cloud Platform, Docker, Git, Linux, REST APIs, Render, Postman, n8n, VS Code, PyCharm
AI & Automation: Qwen TTS, LLM APIs, generative AI pipelines, prompt engineering, workflow automation
Security: API security, input validation, authentication workflows, secure cloud deployment, structured logging

EDUCATION

Rutgers University — New Brunswick, NJ
Bachelor of Science in Computer Science (GPA: 3.85 / 4.00) — *Sept. 2020 – May 2024*