

# 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, 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:** 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*