Arman Saffari

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Full-stack software engineer with more than 3 years of production experience in Python, SQL, TypeScript, and Next.js, building AI document tools and municipal SaaS. Owns features end-to-end, from the first client conversation through launch and support. Background in offshore oil and gas operations brings a practical focus on reliability and clean data.

EXPERIENCE

Full-Stack Software Developer

Nov 2023 - Present | Blu AI Technologies

- Own client projects end-to-end, from discovery through deployment and support; review code and mentor interns
- **Milo - municipal SaaS platform (Next.js, TypeScript, PostgreSQL, Prisma)**
  - Built configurable workflow management with division-scoped permissions, real-time notifications, and Chart.js dashboards
  - Built cron jobs for AI actions, checks, and alerts; integrated Microsoft Graph and SMS
  - Clean and map each municipality's existing records into the Milo data model with SQL at onboarding, including finding and merging duplicates
- **Offerio RFP - AI proposal tool (Python, FastAPI, OpenAI API, RAG)**
  - Built the backend as async Python services with FastAPI and Pydantic
  - Built document ingestion that indexes RFP files with embeddings and retrieves relevant past work to draft responses
  - Built webhook handling for async model results from a separate AI service
  - Built an AI inbox agent that watches a connected mailbox for proposal follow-ups, notifies the team, and adds them to the pipeline
- Check AI coding agent output (Claude Code, Cursor) with tests, type checks, ESLint, and code review
- Run Docker, GitHub Actions CI/CD, Sentry monitoring, and Vercel / DigitalOcean deployments; handle production incidents

Full-Stack Software Developer (Contract)

Aug 2022 - Dec 2022 | Kish Finances

- Built a loan management app as a solo developer, with approval workflows, RBAC, and reporting (React, Node.js, Express)

Software Developer - Field Data Management

Mar 2021 - Feb 2022 | IOOC

- Built a multi-department maintenance system (work orders, asset records, failure analysis) that also supplied equipment specs and history for procurement
- Replaced spreadsheet reporting by migrating legacy data into a database of millions of records; deployed to 60 users across four departments

SKILLS

Languages: Python, SQL, TypeScript, JavaScript (ES6+), HTML5, CSS3

AI / LLM: OpenAI API, RAG pipelines, embeddings, vector stores, LLM integration, Anthropic API, MCP

Backend: FastAPI, Pydantic, Node.js, Express, REST APIs, webhooks, JWT, OAuth2, RBAC

Data: PostgreSQL, MySQL, MongoDB, Prisma, Redis, SQL data modeling, query optimization, data migration

Frontend: React, Next.js, Tailwind CSS, Material UI, Chart.js

Cloud & DevOps: Docker, GitHub Actions, CI/CD, AWS (EC2, S3, RDS, IAM, Lambda), Vercel, DigitalOcean, Linux, Sentry

Testing: pytest, FastAPI TestClient, React Testing Library, Postman, Swagger / OpenAPI

Tools: Git / GitHub, Jira, Agile / Scrum, Claude Code, Cursor

EDUCATION

- **Master of Science - Computational Chemical Engineering** | University of Tehran | GPA: 3.86/4.0 | Exceptional Talent Scholarship recipient
- **Certificate in Web Design and Development** | Humber Polytechnic | GPA: 92%

CERTIFICATIONS

- **LangChain for LLM Application Development** DeepLearning.AI
- **LangChain: Chat with Your Data** DeepLearning.AI