

Boaz Leleina | Software Engineer

boazleleina.com | boaz@boazleleina.com | github.com/boazleleina | linkedin.com/in/boaz-leleina | San Jose, CA | Open to relocation

TECHNICAL SKILLS

Languages: Python, SQL, TypeScript, JavaScript

Backend & Data: Django REST Framework, FastAPI, REST APIs, WebSockets, PostgreSQL, SQLAlchemy, pgvector

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

AI/ML & Testing: OpenAI API, Ollama, RAG, pytest, mypy

EDUCATION

M.S. Computer Science — William Jessup University Sep 2024 – Aug 2026

GPA: 4.0 | AWS Certified Cloud Practitioner | Graduate Research: MCP-based AutoML system integrating Google Gemini and Telegram for automated dataset analysis and reporting

B.S. Software Development — KCA University Apr 2018 – Dec 2022

GPA: 3.6 | Coursework: Advanced Software Engineering with Java, Data Structures & Algorithms, Object-Oriented Programming, Database Systems, Operating Systems, Computer Networks

EXPERIENCE

Software Engineer — Appstec America Jan 2024 – Sep 2024

- Reduced p95 Django API latency **from 520ms to 310ms (40%)** by optimizing PostgreSQL access patterns, adding indexes, and eliminating N+1 queries.
- Improved Stripe payment success rate **by 20%** by implementing idempotent retry logic and signature-verified webhook handling.
- Integrated Udemy Business SSO and REST API workflows and shipped Django services and React components into a PHP-based EdTech platform serving **around 2,000 users**, streamlining account provisioning and reducing login-related support volume.

Backend Engineer — Gre8 Intelligence Jan 2023 – Dec 2023

- Built an **LLM-assisted onboarding system** in Django using the OpenAI API to classify businesses and recommend service packages, **reducing manual sales triage** across pilot deployments serving 100+ end users.
- Built a **browser-based video conferencing service** using WebRTC and WebSocket signaling, with live transcription, retry logic, health checks, and structured production logging.
- Implemented a **document-grounded Q&A service** that ingested company documents and enabled employees to query internal knowledge in natural language.

PROJECTS

FinOps Sentinel — <https://boazleleina.com/blog/finops-sentinel-aws-cost-agent/> Jul 2026

- Built an event-driven AWS cost optimization service that scans resources across regions, detects cloud waste, and estimates potential monthly savings across EC2, EBS, RDS, and S3.
- Designed human-in-the-loop remediation through Slack with IAM-scoped approvals, dry-run defaults, immutable audit trails, and snapshot-before-delete recovery safeguards.
- Prevented duplicate destructive actions using atomic state transitions and validated system behavior with 294 automated tests at 96% coverage.

LLM Resume Agent — github.com/boazleleina/resume_agent Apr – Jul 2026

- Built a local-first FastAPI resume analysis service with PDF/DOCX ingestion, multi-stage job-description extraction, and exact, fuzzy, and semantic skill matching using local Ollama inference.
- Prevented hallucinated experience through source-traceable validation and constrained patch generation; tested parsing, SSRF protections, schema integrity, and LLM failure modes across 40 automated tests.

LEADERSHIP

The Samburu Project 2020 – Present

Delivered keynote talks to Los Angeles donor audiences supporting \$340,000+ raised for clean water and education initiatives in Kenya; served as a STEM mentor to students.