

# HOUMAN ESKANDANI

Software Engineer | Backend, APIs & Cloud Platform

eskandanihouman@gmail.com | 949-870-0432 | Irvine, CA | [linkedin.com/in/houman-eskandani-347b2016b](https://www.linkedin.com/in/houman-eskandani-347b2016b) | [github.com/Houmaneskandani](https://github.com/Houmaneskandani)

## SUMMARY

Backend Software Engineer with 5+ years building high-security, multi-tenant APIs in Go, Java, and Python. Supported card issuance systems processing 1M+ daily transactions for Wells Fargo, Capital One, and Citi at IDEMIA. Strong across the backend stack — from production GraphQL/REST APIs and PostgreSQL optimization to Kubernetes (GKE) cluster operations on AWS and GCP. Specializes in OAuth 2.0/JWT security, RBAC, observability (Prometheus), and shipping production-critical systems with reliability.

## TECHNICAL SKILLS

**Languages:** Go (Golang), Python, Java, JavaScript/TypeScript, SQL, C/C++

**Backend & APIs:** GraphQL (gqlgen), REST, gRPC, FastAPI, Gorilla Mux, Django

**Databases:** PostgreSQL (GORM), MongoDB, MySQL, Tile38

**Cloud & DevOps:** AWS (EC2, S3, RDS), GCP (Cloud SQL, GCS, GKE), Kubernetes, Docker, Linux, Prometheus, CI/CD, Git

**Security & Testing:** OAuth 2.0, JWT, RBAC, MFA/TOTP, PCI-DSS compliance, Unit & Integration Testing (JUnit, Jest)

## PROFESSIONAL EXPERIENCE

### Software Engineer | The Vport

Apr 2025 – Present | San Francisco, CA (Remote)

#### VCloud Platform — GraphQL APIs, Access Control & Kubernetes Operations

- Architected JWT/cookie authentication with per-route user-type allowlists and request UUID tracing across all GraphQL endpoints; enforced multi-tenant org scoping at the database layer to eliminate cross-tenant data leakage.
- Manage a multi-namespace GKE Kubernetes cluster (vcloud, frontend, sales, traefik, observability, devops) including secret management, deployment health monitoring, and service routing via Traefik.
- Designed admin-only GraphQL schema with secure flows for MFA/TOTP login, email verification, and password reset; built lightweight RBAC with deny-by-default semantics enforced at middleware level.
- Built end-to-end media upload and delivery pipeline using presigned GCS URLs, automated thumbnail generation, and CDN-backed delivery with recommendation engine handoff.
- Implemented geospatial venue discovery with radius-based search, DB-level filters, sorting, and cursor-based pagination for efficient location-aware queries.
- Implemented Prometheus GraphQL metrics exporter with a dedicated /metrics endpoint and standardized structured logging with request/user context for production observability.
- **Stack:** Go, gqlgen, GraphQL, gRPC, Gorilla Mux, PostgreSQL (GORM), Tile38, GCS, Kubernetes (GKE), Docker, Prometheus, Twilio, SendGrid.

### Software Engineer II | IDEMIA

Feb 2022 – Mar 2025 | Los Angeles, CA

#### Card Personalization Platform — Wells Fargo, Capital One, Citi

- Maintained and extended high-security card issuance systems handling 1M+ secure card transactions daily for top-tier U.S. financial institutions including Wells Fargo, Capital One, and Citi.
- Built secure PIN generation and mailing flows fully compliant with PCI-DSS and financial security standards, reducing compliance risk for client card programs.
- Resolved 20+ critical production incidents under strict SLAs by rapidly diagnosing logic and data defects; authored ad-hoc SQL to analyze datasets of 1M+ records for root-cause analysis.
- Implemented backend features for custom card layouts (vertical PAN, barcodes) with full backward compatibility across existing client production workflows.
- Participated in Agile delivery (daily stand-ups, client reviews); coordinated with QA and production teams; volunteered as production auditor applying 5S methodology.
- **Stack:** Java, SQL, Gold/CPS, Linux.

### Lead Backend Software Engineer | Spotlist Inc (Startup)

Sep 2021 – Feb 2022 | New York City, NY

- Directed backend engineering for a mobile-first expert-client marketplace; acted as interim Scrum Master, introducing Jira-based metrics that improved sprint delivery visibility.
- Mentored 5+ junior engineers through code reviews, pair programming, and system design; partnered with CEO and senior leadership to align backend architecture with product roadmap.

- Implemented OAuth 2.0/JWT authentication with role restrictions and rate limiting; hardened APIs against brute-force and injection attacks.
- Designed and optimized PostgreSQL/MongoDB schemas with indexing and query tuning, reducing API response latency and improving platform stability under load.
- **Stack:** Python (Django), PostgreSQL, MongoDB, AWS, React, JavaScript, Docker, JWT.

#### Backend Software Engineer Intern | **Spotlist Inc (Startup)**

Sep 2020 – Sep 2021 | New York City, NY

- Built Stripe payment APIs (payment intents, subscriptions, customer management) and onboarding verification flows integrating Checkr background checks and SMS/email verification.
- Developed expert search and filter APIs by location, availability, and skills; integrated Google Maps APIs for real-time expert-client distance and availability.
- Implemented JWT-based authentication and role-based access control; managed AWS-based Docker services; migrated all endpoints from HTTP to HTTPS.
- **Stack:** Python (Django), PostgreSQL, AWS, React, JavaScript, Docker, Stripe API, Google Maps API.

### PROJECTS

---

#### ApplyAgent | AI-Powered Job Application Automation

2025 – Present

- Built an autonomous end-to-end job application agent using Playwright and the Anthropic Claude API that navigates real career pages, reads dynamic forms, and fills them intelligently across multiple ATS platforms (React Selects, native dropdowns, radios, checkboxes, iframes).
- Engineered a profile-aware AI job scorer ranking 2,000+ job listings against candidate skills, experience, and salary expectations; built async multi-source scraper targeting Greenhouse and Lever ATS APIs with deduplication.
- Designed a production REST API with FastAPI, JWT authentication, background task processing, and Supabase Storage with signed URL generation; built a full React 18 SPA with custom component library and dynamic profile completeness tracker.
- **Stack:** Python, FastAPI, Anthropic Claude API, Playwright, React 18, PostgreSQL (Supabase), asyncio, httpx.

### EDUCATION

---

**B.S., Computer Science | University of California, Riverside**

Aug 2017 – Jul 2021

**A.S., Computer Science | Irvine Valley College**

Aug 2015 – Jul 2017