

Hassan Javaid Rao

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with 4+ years of professional experience, including 4 years of GCC-based enterprise work for a leading logistics company in Oman. Specialized in building scalable multi-tenant SaaS platforms and microservices architectures processing thousands of shipments daily across Oman, UAE, and Saudi Arabia. Experienced with AI-driven automation (Google Gemini), AWS cloud services, and technical leadership of junior engineers. Top-rated freelancer with 250+ five-star client reviews, and Section Leader at Stanford University's Code in Place program.

EXPERIENCE

Senior Software Engineer | [Thiqa Tech](#)

Muscat, Oman • Dec 2021 – Present

- Spearheaded end-to-end development of a multi-tenant logistics SaaS platform with a microservices architecture deployed across Oman, UAE, and Saudi Arabia — 4 years of continuous GCC enterprise engagement.
- Led and mentored a team of brilliant engineers — driving code reviews, establishing best practices, and guiding architectural decisions across the engineering team.
- Deployed solution for one of Oman's largest logistics companies, supporting operations across 15 branches nationwide.
- Automated shipment data entry workflows using Google Gemini AI, eliminating 6 hours of daily manual human effort and significantly reducing operational costs.
- Implemented Password Grant flow for trusted first-party internal mobile apps and Client Credentials flow for machine-to-machine integrations with logistics partners (DHL, AJEX, iMile)
- Improved system performance by 20% through refactoring legacy code and implementing modern architectural patterns.
- Designed and built secure RESTful APIs enabling robust integration with third-party logistics partners.
- Architected a scalable event-driven system using AWS S3 (file storage), SQS (message queuing), and Lambda (serverless compute).
- Engineered a high-performance data export pipeline using AWS Lambda and SQS to reliably export millions of records at minimal cost.
- Implemented system observability using Sentry (error tracking) and AWS CloudWatch (infrastructure metrics and alerting).
- Maintained 99.9% system uptime through proactive observability using Sentry (error tracking) and AWS CloudWatch (infrastructure metrics and alerting).
- Used Redis as a queue driver to handle asynchronous background tasks and maintain smooth UX under high load.

Freelance Full Stack Developer | [Fiverr & Upwork](#)

Remote • 2020 – 2021

- Maintained Top Rated status on both platforms with 250+ five-star reviews across Laravel, PHP, Vue.js, and API integration projects.
- Delivered automation and web solutions for 200+ clients across industries including logistics, e-commerce, and SaaS.
- Built custom REST API integrations and workflow automations that eliminated hours of daily manual effort for clients.

Section Leader (Teaching) | [Stanford Code in Place](#)

Remote • 2025

- Competitively selected from a global applicant pool to teach Python programming to international learners as part of Stanford's flagship open-access initiative.
- Facilitated weekly sessions on core programming concepts; provided personalized feedback to students with no prior coding experience.

• TECHNICAL SKILLS

- **Backend:** PHP, Laravel, Node.js, Nest.js, Python, Java, C#
- **Frontend:** Vue.js, React.js, JavaScript, jQuery, HTML5, CSS3, Bootstrap
- **Cloud & DevOps:** AWS (Lambda, SQS, S3, CloudWatch), Docker, Redis, Event-driven Architecture
- **Auth & Security:** OAuth 2.0, Laravel Passport, JWT
- **Monitoring:** Sentry, AWS CloudWatch
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Architecture:** Microservices, Multi-tenant SaaS, RESTful API Design
- **AI & Automation:** Google Gemini API, AI-driven workflow automation
- **Other:** Git, Agile/Scrum, PHPUnit

EDUCATION

B.S. Software Engineering | **Sukkur IBA University** Sukkur, Sindh • Jan 2017 – Dec 2020

Fully funded merit-cum-need based scholarship for 4 years • IELTS 7.0 (English Proficiency)

Relevant coursework: OOP, Data Structures & Algorithms, Operating Systems, AI, Database Systems, Web Engineering

AWARDS & ACHIEVEMENTS

- Winner — Web Design Competition, Sukkur IBA University
- Winner — Code in the Dark Competition, Sukkur IBA University
- Fully Funded Merit Scholarship — 4-year undergraduate award

PROJECTS

[Translation Management API](#) — *PHP 8.2, Laravel, MySQL, Redis, Docker*

Built a production-grade REST API for managing locale-based translations with token authentication, Redis cache tag-based invalidation, and cursor-based export capable of streaming millions of records with minimal memory overhead. Fully containerized with Docker (nginx, php-fpm, MySQL, Redis) and covered by a PHPUnit test suite targeting API contracts, caching, and export flows.

Architecture

Followed a strict Controller → Service → Repository pattern — controllers handle HTTP only, services own business logic, and repositories manage data access and query composition. DTOs decouple HTTP payloads from domain logic; FormRequest classes handle per-endpoint validation including locale-scoped key uniqueness enforcement.

Key Technical Decisions

- Token-based auth via custom middleware — lightweight, sessionless, and easy to rotate
- Redis caching with tag-based invalidation — fine-grained cache busting on create/update/delete, preventing stale exports and search results
- Cursor-based export with cache versioning — handles millions of rows at low memory cost while guaranteeing data freshness
- API throttling, route model binding, and strict typing (`declare(strict_types=1)`) throughout for reliability and early error detection