

ALI HASAN SHEIKH

Software Engineer — Backend & Full-Stack

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SUMMARY

Software engineer working across Java / Spring Boot and PHP / Laravel backends with React and Vue frontends. Sole engineer on two production multi-tenant SaaS platforms for UK clients — owned across the full SDLC, from requirements through Linux VPS deployment. Shipped 100+ endpoint RESTful APIs with JWT security, Stripe billing, WebSocket messaging and 115+ versioned migrations.

EXPERIENCE

Software Engineer — Touchperia Digital Karachi · Dec 2025 – Present

- Own end-to-end delivery of two production multi-tenant SaaS platforms for UK clients as the sole engineer — requirements, data modelling, implementation, testing, and deployment to a Linux VPS behind Nginx.

Resolute Estate Solutions — property-acquisition CRM (PHP 8.2 · Laravel 11 · MySQL · res-resolute.duckdns.org)

- Modelled an 18-stage lead pipeline with kanban and summary views, guarded stage-transition workflows, and automated offer-document generation (DomPDF).
- Implemented company-scoped multi-tenancy, Spatie role-based access control, a public lead-intake API, and an end-to-end Playwright test suite.

Track Your Move — SaaS platform for removals companies (Laravel 10 · Vue 3 · Sanctum · MySQL)

- Built and maintain a 100+ endpoint REST API (42 controllers, 44 models, 69 migrations) spanning clients, quotations, jobs, invoicing, payments and storage, with auto-numbered documents and PDF / spreadsheet generation.
- Enforced a four-tier RBAC hierarchy (Spatie) with anti-escalation middleware; shipped verification, OTP, member-invite and public-quotation email flows on encrypted one-time tokens with 24-hour expiry.

PROJECTS

BuilderConnect — construction marketplace (Final Year Project) 2025 – 2026

Java 17 · Spring Boot 3.2 · Spring Security · MySQL · React 18 + TypeScript

- Designed a 110-endpoint REST API connecting clients, builders and suppliers (25 controllers, 42 JPA entities, 29 services), evolved through 47 versioned Flyway migrations (H2 dev / MySQL prod), backed by a JUnit test suite.
- Implemented stateless JWT auth — access / refresh rotation, BCrypt, account lockout — with suspension enforced live at the security-filter and WebSocket layers, plus per-IP rate limiting and an audit trail of failed logins and client IPs.
- Integrated Stripe subscription billing: hosted checkout, signature-verified webhooks and idempotent payment recording, with per-plan feature limits enforced at the service layer.
- Built real-time chat and notifications over STOMP / WebSocket with CONNECT- and SUBSCRIBE-level authorization; modelled orders as a validated state machine with pessimistic row locking.
- Shipped an AI suite on a pluggable LLM layer (Anthropic Claude / Google Gemini): a knowledge-grounded FAQ chatbot and structured-JSON floor-plan generation.

SKILLS

Languages	Java (8–17), PHP 8.2, SQL, TypeScript / JavaScript, Python
Java / Spring	Spring Boot 3, Spring MVC, Spring Security (JWT authentication), Spring Data JPA / Hibernate ORM, RESTful APIs, WebSocket / STOMP, Flyway, Maven, Swagger / OpenAPI
PHP / Laravel	Laravel 10 / 11, Eloquent ORM, Sanctum, Spatie Permission, multi-tenant SaaS architecture
Databases	MySQL / MariaDB, H2, SQL Server — schema design, indexing & query optimization, transactions, row locking
Infrastructure	Linux VPS deployment, Nginx / Apache, Redis caching, CI/CD (GitHub Actions, Jenkins), Git / GitHub, microservices fundamentals
Frontend & Testing	React 18, TypeScript, Vue 3, Tailwind CSS, Vite; JUnit, PHPUnit, Playwright, Selenium, Postman
Practices	OOP, data structures & algorithms, SOLID & design patterns, Agile / Scrum, unit & integration testing, third-party API integration

EDUCATION

BS, Software Engineering — Sir Syed University of Engineering & Technology, Karachi 2022 – 2026 · CGPA 3.86 / 4.00

Core foundations: data structures & algorithms; OOP & design patterns; relational databases (ER modelling, normalization, SQL); operating systems (concurrency, memory management); networking (TCP/IP, HTTP); information security; software quality engineering.

CERTIFICATIONS

Java 8 Functional Programming — Udemy, 2025	Java Intermediate — Sololearn, 2025
GitHub: A Complete Guide — Riphah International University, 2025	Agile Project Management — HP LIFE, 2025
Google Soft Skills Program — Google / PAFLA, 2024	