

ALI ASGHAR

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PROFESSIONAL SUMMARY

Senior Software Engineer (Lead) - Full Stack Engineer - Cloud Engineer

Senior Software Engineer with **6 years of experience** building, deploying, and leading scalable web and cloud-native applications, and currently leading a **five-person engineering team** across a **nine-product SaaS portfolio**, owning technical architecture, payment/PSP integrations, analytics infrastructure, and multi-environment DevOps. Deep hands-on expertise in **NodeJS, Next.js, TypeScript, PostgreSQL, Docker, and CI/CD automation**, with a track record of shipping production-grade payment systems, multi-tenant platforms, and analytics pipelines.

“Systems fail silently unless you design them to speak.”

TECHNICAL SKILLS

Backend	NestJS, Node.js (Express.js), Python (FastAPI), REST APIs, BullMQ
Frontend	React.js, Next.js, Redux Toolkit, Tailwind CSS, Shadcn/UI
Mobile	React Native, Expo, Mobile API Integration, App Deployment
Databases	PostgreSQL, MongoDB, Redis, Supabase, Prisma, Sequelize
DevOps & Cloud	AWS (EC2, ECS, ECR, S3, CloudWatch), OVHcloud VPS, Docker, Watchtower, Nginx
CI/CD	GitHub Actions, Multi-Environment Pipelines, Automated Testing & Deployments
Payments	Stripe, Trust Payments, Norbr SDK, HiPay, PSP Integration, 3DS Flows
Analytics	GA4, Google Tag Manager, Measurement Protocol, Funnel/Conversion Tracking
AI Tooling	Claude Code (agentic CLI), Claude Chat, Claude Skills, AI-Assisted Development
Dev Tools	Git, Jira, Linux, VS Code, Postman, Swagger, Sentry, Figma
Architecture	Scalable APIs, Multi-Tenant Systems, Authentication (JWT, OAuth2)

EDUCATION

Master of Science in Information Technology (MSIT)	Aug 2025
<i>The Islamia University of Bahawalpur</i>	
Bachelor of Science in Information Technology (BSIT)	May 2023
<i>The Islamia University of Bahawalpur</i>	

EXPERIENCE

Senior Software Engineer (Lead)	Mar 2026 – Present
ElkTech, Lahore, Pakistan	
- Lead a five-person engineering team (developers and QA) delivering a nine-product SaaS portfolio, owning sprint planning, code reviews, architecture decisions, and client-facing delivery. - Architected and shipped a payment analytics dashboard over Trust Payments / Norbr webhook data, surfacing acceptance/rejection rates, PSP breakdowns, processing costs, and chargebacks by country and card brand. - Drove GA4 / GTM conversion-tracking infrastructure, including server-side Measurement Protocol fallbacks, checkout-event deduplication, and 3DS retry-flow tracking fixes. - Designed multi-tenant frontend/backend architecture (domain-based tenant resolution, single-repo, no hardcoded country logic) for a multi-country product launch. - Led a full Heroku to OVHcloud VPS migration using Docker Compose, Caddy, Watchtower, and GitHub Actions CI/CD; resolved memory, Chromium concurrency, and secrets-in-git-history incidents.	

- Built a **PDF generation pipeline** with Puppeteer, qpdf, Cloudflare R2, and BullMQ, using content-hash caching and HMAC-verified print-fulfillment webhooks.
- Conducted **production-readiness security audits** (120+ findings) covering secrets management, CORS hardening, JWT/cookie security, and vulnerable dependencies.
- Implemented **multi-currency Stripe pricing** across six countries with ECB exchange-rate cron sync and 18-locale invoice localization; use **Claude Code** and **Claude Skills** to accelerate diagnostics, review, and delivery.

Senior Software Engineer
 Algotix AI, Lahore, Pakistan

Jan 2025 – Feb 2026

- Designed **flowcharts, documentation, and time estimates** for features and projects, ensuring smooth development and accurate planning.
- Built scalable **Full Stack features** with **Next.js, Node.js, and MongoDB**; implemented **API routes, authentication (JWT, RBAC)**, and request throttling.
- Integrated **OpenAI APIs**, reducing support tickets by **30%**; developed modular **React.js + Tailwind CSS components** with **pixel-perfect UI** from Figma.

Fullstack Software Engineer
 Enigmatix, Pakistan

Jan 2023 – Dec 2024

- Developed **analytics dashboards** using **Next.js** and **Python FastAPI** backend APIs, alongside MERN applications.
- Built **CI/CD pipelines** with **Docker + GitHub Actions**; maintained **90%+ code coverage** with **Jest** unit tests.

Lead Software Engineer (Plan9 Incubation, Part-Time)
 PITB Startup Incubator, Pakistan

Nov 2023 – Apr 2024

- Led **frontend + backend architecture** with **React.js, Next.js, Node.js**; designed **multi-tenancy** with granular role permissions and integrated **Stripe payments**.

Full Stack Developer (Remote)
 TxOnix Technologies LLC, USA (Remote)

Sep 2019 – Dec 2022

- Delivered client projects in **React.js, WordPress, and the MERN stack**, focusing on responsive UIs and scalable applications.

Software Engineering Intern
 Syntax Software House, Bahawalpur, Pakistan

Mar 2019 – Aug 2019

- Assisted the frontend team with **bug fixes** and minor **backend integration**; practiced **Git workflows** and **Scrum ceremonies**.

LEADERSHIP & MENTORSHIP

- Lead a **five-person engineering team** across nine products, owning task breakdown, code review, and delivery accountability.
- Translate client feature requests and bug reports into structured **Jira** workflows with duplicate checks and clear acceptance criteria.
- Mentor developers in **NestJS, Next.js, and DevOps** practices; produce daily stakeholder status reporting across the portfolio.

RECENT PROJECTS

Legacy Forge Coins (SaaS)

legacyforgecoins.com

AI-powered custom challenge coin platform that enables users to design, preview, and order personalized coins through a **3D configuration engine**, **AI-assisted design generation**, and designer collaboration workflows. Built features for real-time customization, image and text composition, approval pipelines, order management, manufacturing integration, and e-commerce checkout, supporting military, corporate, commemorative, and personal-use challenge coins.

iBoardingPass (SaaS)

iboardingpass.com

Digital airport service platform with a **multi-role system** and an integrated **payment analytics dashboard**; led **GA4/GTM** conversion tracking and PSP-migration planning to HiPay.

eVignette (SaaS)

evignette.co

European highway-vignette platform with **multi-currency Stripe pricing**, ECB exchange-rate sync, 18-locale invoicing, and a Lead-to-Sale attribution system.

TheGoodHorse (Marketplace)

thegoodhorse.com

Horse-trading marketplace for the Middle East with listing management, search and filtering, and user dashboards.

RadiologyJobs (Platform)

radiologyjobs.com

Healthcare job board with recruiter dashboards, candidate profiles, and optimized application workflows.

CSWAP (Platform)

cswap.info

Decentralized exchange for digital and physical assets with secure transaction workflows and blockchain API integration.

Novo Nordisk (Enterprise)

novonordisk.com

Internal digital-health tools, including dashboards and document-automation systems for chronic-condition management.

OceanTech (Enterprise)

oceantech.com

Enterprise systems for IT asset disposition and e-waste management with data-driven logistics.

WipeOS (Enterprise)

wipeos.com

Data-sanitization and compliance platform with audit logs, inventory tracking, and device detection.

bio Family Tree (SaaS)

biofamilytree.com

Digital legacy and family history platform that enables users to preserve life stories, document meaningful milestones, and build personalized family trees. Features include **privacy-controlled bio profiles**, **family relationship management**, milestone-based storytelling, subscription billing, member invitations, and collaborative family records designed to preserve memories across generations. [3pt]

Taxi Club France (Multi-Tenant Platform)

taxi-club.com

Multi-country taxi platform with **domain-based multi-tenant architecture** (single repo, no hardcoded country logic).

Petunia Chatterton (SaaS)

petuniachatterton.com

Personalized children's book platform with on-demand book customization, **print-on-demand fulfillment** (Gelato, HMAC-verified webhooks), and a rendering pipeline built on **Puppeteer**, **qpdf**, **Cloudflare R2**, and **BullMQ**.