

# ZULQURNAIN ALI SHAH

Engineering Lead | Full-Stack Architect | AI Systems Engineer  
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## PROFESSIONAL SUMMARY

Engineering Lead and Senior Full-Stack Engineer with 5+ years of experience building scalable SaaS platforms, AI-powered applications, and cloud-native systems across Healthcare, CRM, FoodTech, and enterprise domains. Proven track record leading engineering teams of 14+ developers, architecting multi-tenant platforms, and delivering high-impact products using Next.js, Node.js, TypeScript, AWS, and PostgreSQL. Experienced in integrating Generative AI, LLM workflows, OCR, and real-time communication systems into production environments.

## CORE SKILLS

Languages	JavaScript, TypeScript, PHP, SQL
Frontend	React.js, Next.js, Tailwind CSS, HTML5, CSS3
Backend	Node.js, Express.js, Laravel, REST APIs, Socket.io
AI & Automation	OpenAI APIs, LLM Integration, AssemblyAI, OCR, Voice-to-Text
Cloud & DevOps	AWS, Docker, CI/CD, GitHub Actions, Bitbucket Pipelines
Databases	PostgreSQL, MySQL, MongoDB
Architecture	Multi-Tenant SaaS, Microservices, Event-Driven Systems
Security	HIPAA Compliance, JWT, OAuth2, AES Encryption

## AWARDS

- Outstanding Contribution Award 2025 — Pixako Technologies Pvt. Ltd
- Champion Award — Leadership & Engineering Excellence 2025 — Pixako Technologies Pvt. Ltd

## PROFESSIONAL EXPERIENCE

### Technical Team Lead | Pixako Technologies Pvt. Ltd — Islamabad, Pakistan (Jan 2023 – Present)

- Lead a 14-member cross-functional engineering team across 5+ SaaS and enterprise product lines.
- Architected 5+ HIPAA-compliant healthcare platforms with AI-driven compliance workflows, reducing manual operations by 60%.
- Integrated LLM workflows, OCR systems, and AssemblyAI voice transcription into healthcare and wellness applications.
- Built multi-region food delivery platforms with real-time tracking, Socket.io chat, and Stripe integration for UK, US, UAE, and Pakistan markets.
- Developed a white-label multi-tenant Security Guard Management SaaS serving 10+ enterprise clients.
- Reduced deployment failures by 40% through GitFlow, branch protection, and automated CI/CD pipelines.
- Mentored 6 junior developers into senior-level roles through structured coaching and architecture reviews.

### Web Developer | Sarmaaya.pk (AbcData Pvt. Ltd) — Islamabad, Pakistan (Aug 2020 – Jul 2022)

- Built backend data pipelines for real-time cryptocurrency and forex data ingestion serving thousands of daily users.
- Developed interactive financial dashboards using Chart.js and Google Charts.
- Improved frontend delivery speed by 20% through reusable UI development.
- Optimized SQL queries and indexing strategies, improving reporting performance by 35%.

### Junior Web Developer | RSR Developers Pvt. Ltd — Islamabad, Pakistan (Aug 2019 – Feb 2020)

- Developed responsive campus management applications supporting 5,000+ students and faculty.

- Built PHP/MySQL modules for attendance tracking, timetables, and student portals.

## SELECTED PROJECTS

### Sarmaaya.pk — Investment Platform

Stack: PHP, REST APIs, Chart.js, MySQL

- Built real-time financial data pipelines and investor dashboards covering stocks, forex, crypto, and mutual funds.

### AladinFoods.co.uk — Food Delivery Marketplace

Stack: React.js, Node.js, Socket.io, Stripe, AWS

- Developed a multi-region food delivery marketplace with GPS tracking, live chat, and Stripe payments.

### SaathMatrimonial.com — Matrimonial Platform

Stack: PHP CodeIgniter, MySQL, AWS S3

- Built a matrimonial platform with advanced profile matching, privacy controls, and proposal workflows.

### LeadXprt.com — CRM Platform

Stack: Next.js, Node.js, MongoDB, AWS

- Developed an enterprise CRM with lead scoring, workflow automation, and reporting dashboards.

### Root81 — Restaurant Website

Stack: PHP CodeIgniter, AWS

- Engineered the official website for Michelin-recognized restaurant Root81 with scalable AWS deployment.

### Healthcare Compliance Platform

Stack: Next.js, Node.js, AWS, MongoDB

- Built a HIPAA-compliant platform with AI summaries, transcription workflows, and encrypted audit logging.

### Multi-Tenant Security Guard SaaS

Stack: Laravel, MySQL

- Developed workforce management SaaS with payroll automation and biometric attendance integration.

### Enterprise HRM & E-Learning Platform

Stack: Next.js, TypeScript, PostgreSQL, WebRTC

- Delivered HRM and E-Learning platforms with onboarding workflows, live sessions, and certification systems.

## EDUCATION

### BS Software Engineering

Riphah International University, Islamabad (2015 – 2019)

## CERTIFICATIONS

- Applied Business Analytics & Data Science — Professional Certification (2021)
- Technical Training Bootcamp — Full-Stack Development & Software Engineering (2021–2022)
- Apache Hadoop Development — Big Data Processing Fundamentals (2020)

## LANGUAGES

English (Professional) | Urdu (Native) | Punjabi (Native)