

Muhammad Saad Faisal

SOFTWARE ENGINEER · FULL-STACK, CLOUD & AI

Lahore, Punjab, Pakistan

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“Full-Stack, Cloud, and AI Systems – From Requirements to Production”

Professional Summary

Software Engineer with **3 years of hands-on experience** building and shipping full-stack products across web, cloud, mobile, AI, and developer tooling. Strong background in **TypeScript, React, Next.js, Node.js/NestJS, Spring Boot, AWS, and Azure**, with practical experience in serverless architecture, multi-tenant SaaS, RAG systems, infrastructure-as-code, and production integrations. Experienced working directly with international clients and owning work from requirements and implementation through testing and deployment.

Technical Skills

Languages	TypeScript, JavaScript, Java, Python, SQL
Frontend & Mobile	React.js, Next.js, React Native, Expo, Tailwind CSS, PWA, Offline-First Applications
Backend & Architecture	Node.js, Express.js, NestJS, Spring Boot, REST APIs, GraphQL, Microservices, Event-Driven Architecture
Cloud & Infrastructure	AWS, Azure, Lambda, API Gateway, DynamoDB, S3, SQS, Cognito, EventBridge, Step Functions, Terraform, Docker
Data & Storage	PostgreSQL, MongoDB, MySQL, Neo4j, OpenSearch, Amazon Neptune, Prisma ORM
AI & Engineering Tools	RAG, LLM Applications, AI Agents, MCP, Vector Search, Playwright, Git, GitHub Actions

Professional Experience

Wamo Labs

Lahore, Pakistan

SOFTWARE ENGINEER

Oct. 2025 - Present

- Build and ship production software for international clients across full-stack applications, cloud infrastructure, AI workflows, mobile products, and developer tooling, contributing from technical requirements through deployment.
- Developed a developer-intelligence platform using Spring Boot, Node.js, Neo4j, and Tree-sitter to represent codebases across 15+ languages, including a VS Code extension and MCP server for developer and AI-agent workflows; provisioned Azure Container Apps environments with Terraform.
- Built multi-tenant SaaS workflows on AWS using Next.js, TypeScript, DynamoDB, Cognito, EventBridge, and Step Functions, including calendar integrations, role-based approvals, automated invoicing, and XLS/PDF export workflows.
- Contributed to AI and data-intensive systems including document RAG with OpenSearch/Neptune, agentic workflows, offline-first PWAs, React Native applications, and Playwright-based production testing.

Teraception

Lahore, Pakistan

SOFTWARE ENGINEER

Jul. 2025 - Sep. 2025

- Contributed to a production marketing analytics platform within a TypeScript/NestJS MERN monorepo, working across layered services, repositories, APIs, and shared application tooling.
- Implemented backend changes and production fixes while applying dependency injection, repository patterns, and design-pattern principles through senior-led code reviews.
- Worked with AWS SQS, ECS, S3, and Cognito alongside MySQL and BigQuery to support asynchronous processing, ETL workflows, analytics data pipelines, and external integrations.

Remote

Remote

SOFTWARE ENGINEER

Jul. 2024 - Jun. 2025

- Delivered custom software and client-facing web applications across marketplaces, business platforms, e-commerce, interactive experiences, and lead-generation products from requirements through deployment.
- Built a MERN service marketplace with geolocation-based worker discovery and booking, alongside Next.js products and React/Vite interactive experiences tailored to individual client requirements.
- Integrated authentication, payment gateways, REST APIs, third-party services, responsive interfaces, and production workflows while adapting implementations to changing scope and delivery constraints.
- Worked directly with clients and collaborators to clarify requirements, iterate on feedback, troubleshoot production issues, and deliver maintainable solutions rather than short-lived prototypes.

Bytewise Limited

Remote

MERN TRACK FELLOW

Jun. 2024 - Aug. 2024

- Selected from 2,300+ applicants for a hands-on MERN engineering fellowship focused on building and reviewing full-stack applications through weekly delivery cycles.
- Built CustomerConnect CRM with role-based dashboards, sales pipelines, and JWT authentication, plus a Quran audio application using Redux Toolkit, TypeScript, and asynchronous state management.
- Developed React Careers with Firebase Realtime Database for synchronized job listings and candidate workflows while strengthening API integration, debugging, Git, and collaborative development practices.

E-Commerce Visions

Gujranwala, Pakistan

WEB DEVELOPER

Jan. 2024 - Jun. 2024

- Maintained and enhanced live e-commerce storefronts, handling responsive UI updates, product management, inventory workflows, SEO fixes, and production issues.
- Implemented and maintained Stripe and PayPal checkout integrations supporting online payment and order-processing workflows across client stores.
- Worked with clients and designers to translate business requirements into practical storefront improvements while balancing new development with ongoing maintenance.

Selected Engineering Work

Developer Intelligence Platform

AI-NATIVE DEVELOPER TOOLING

- Built code-intelligence workflows that parse 15+ languages with Tree-sitter into Neo4j graph representations, exposed through a VS Code extension and MCP server to support developer exploration and AI-agent context; provisioned staging and production environments on Azure Container Apps with Terraform.

Multi-Tenant Billing Platform

ENTERPRISE SAAS / FINOPS

- Developed a serverless billing platform on AWS SAM using Next.js, TypeScript, DynamoDB, EventBridge, and Step Functions, with Google/Microsoft calendar synchronization, role-based approvals, automated rate-based invoicing, and XLS/PDF exports.

AI Recruitment Marketplace

FINAL-YEAR PROJECT

- Built an AI-assisted recruitment marketplace connecting companies with verified technical interviewers, using React, PostgreSQL, Stripe Connect escrow, and a Flask-based AI service for resume matching and recommendation workflows.

Education

University of the Punjab - Gujranwala Campus

Gujranwala, Pakistan

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

2021 - 2025

- CGPA: 3.44/4.0

Leadership & Achievements

Google Developer Student Club (GDSC)

University of the Punjab -

Gujranwala Campus

CAMPUS LEAD

Aug. 2023 - Aug. 2024

- Led a 200+ member technical community, organizing workshops, hackathons, technical sessions, and collaborative development activities focused on modern software technologies.

Certifications

IBM Full Stack Software Developer Professional Certificate – Coursera | Meta Frontend Developer Professional Certificate – Coursera