

Mohammad Ali Shoaib

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SUMMARY

Full-stack engineer with 3+ years delivering end-to-end products across fintech, identity verification, and edtech. Comfortable owning entire product lifecycles from database design to frontend delivery. Experienced with Node.js, React, Vue.js, Python, and cloud deployment.

WORK EXPERIENCE

Programmers Force | Software Engineer

Mar 2024 – Present · Lahore, PK

- Architected a full-stack internal performance portal with a real-time dashboard (Vue.js) consuming data from a Chrome extension, displaying operator stats and productivity analytics across the team.
- Contributed to a large-scale AML compliance SaaS platform using Python/Django with real-time notifications, query optimization, and regulatory-grade backend reliability.
- Integrated Stripe with subscription billing and webhook-driven payment lifecycle automation.
- Built production Python scrapers handling anti-bot challenges (CAPTCHA, Cloudflare) for automated data pipelines.

Shufti Pro | Software Engineer

Jul 2025 – Nov 2025 · Lahore, PK

- Built and shipped an in-house AI-powered video transcription tool end-to-end — designed UI in Figma and delivered a fully functional Vue.js frontend.
- Optimized core Laravel/PHP API of a global KYC platform and eliminated 20+ redundant queries and fixed N+1 problems under high traffic.
- Resolved critical bugs and improved test coverage on the client back-office portal.

GMCI | Software Engineer

Mar 2023 – Feb 2024 · Lahore, PK

- Sole developer of a full-stack multi-tenant School Management SaaS built from scratch using Node.js and React, delivering student information, academics, attendance, HR, finance, LMS, role-based access control, branch isolation, and organization management from database design to DigitalOcean deployment.
- Designed and integrated AI-powered educational assistants including AI Exam Builder, AI Timetable Assistant, AI content generation, report card comments, and intelligent administrative automation with secure quota management, feature gating, and role-based access control.
- Engineered enterprise-grade SaaS architecture with module/feature licensing, biometric attendance integration (ZKTeco), WhatsApp-ready communication workflows.

SKILLS

Frontend: React, Vue.js, JavaScript, Figma (UI design)

Backend: Node.js, Express.js, Python, Django, Flask, Laravel/PHP

Databases: PostgreSQL, MySQL, MongoDB

DevOps & Tools: Docker, GitHub Actions, Git, DigitalOcean, REST APIs

AI & Dev Tools: Cursor, Claude Code, OpenAI, Codex

EDUCATION

Forman Christian College University (FCCU) | BSc Computer Science Feb 2023 · Lahore, PK

- Final-year project: Automated ambulance dispatch system — real-time routing and dispatch logic.

CERTIFICATIONS

- SQL Associate Certification — DataCamp (Sep 2024)