Muhammad Usman

Software Engineer | AI Automation, Full-Stack, Mobile & DevOps

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PROFESSIONAL SUMMARY

Software engineer and product builder with hands-on experience across AI automation, full-stack web, mobile development, and DevOps workflows. Build products end to end using Next.js, React, Flutter, React Native, TypeScript, Docker, GitHub Actions, Jenkins, AWS, and Ubuntu. Strong in product architecture, CI/CD, containerized deployments, release automation, and terminal-first Linux development.

CORE SKILLS

Languages: TypeScript, JavaScript, Bash, Java, C++
Web & APIs: React, Next.js, HTML, CSS, Tailwind CSS, REST APIs, responsive UI development
Mobile: Flutter, React Native, Firebase, state management, cross-platform architecture, APK build and signing
AI & Product: AI-integrated applications, automation systems, agentic workflows, product architecture
DevOps & Cloud: Docker, GitHub Actions, Jenkins, Ansible, AWS, Terraform, CI/CD pipelines, Nginx
Systems & Tools: Ubuntu, Linux CLI, SSH, VPS management, monitoring, log analysis, Git, GitHub, GitLab, Vercel

SELECTED PROJECTS

RetailRaptor | *AI-powered retail operations platform*

- Building an agentic retail platform for store operations, sales workflows, business data, and future intelligent automation agents.
- Own product vision, architecture, core engineering, and deployment planning end to end for a production-oriented system.

Doely | *React Native beta release with AI-assisted workflows*

Live Demo

- Built a React Native mobile application that automates LMS workflows by extracting assignments, generating structured drafts, and preparing submission-ready output.
- Designed modular AI integration and automated Android release builds with GitHub Actions and signed APK delivery.

Self-Healing DevOps Infrastructure | *Docker, Jenkins, Ansible, AWS*

Repository

- Deployed Node.js and Next.js applications with Docker Compose and Jenkins-based CI/CD pipelines for automated delivery.
- Built Ansible-driven monitoring, recovery, and notification flows to improve service reliability and operational visibility.

Product and platform work | *Web, mobile, and Linux systems*

Silicon Sage | Usmani Blogs

- Built Silicon Sage with Next.js, React, TypeScript, and Tailwind CSS, and developed Timely as a cross-platform Flutter productivity app with Firebase.
- Maintain a personal Ubuntu server for self-hosted tasks and automation, and contributed to the GNOME Ptyxis project through GitLab workflows.

EDUCATION

Bachelor of Information Technology, Air University | Expected 2027