

OSAMAH H. ALAINI

Software Engineer | DevOps | CI/CD

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ABOUT ME

Software engineer and researcher specializing in full-stack development, AI integration, and DevOps automation. Research focuses on empirical software engineering and intelligent systems, with current work on context-aware CI adoption and AI-enabled recommendation frameworks for development workflows. Experienced in delivering scalable, production-grade solutions across international projects, with a strong emphasis on applying data-driven methods to real-world software engineering challenges.

EDUCATION

BS SOFTWARE ENGINEERING | SUPERIOR UNIVERSITY

2021 - 2025 | GPA: 3.4

Lahore, Pakistan

Coursework in software systems design, requirements engineering, AI, and software quality assurance. Final year focus on empirical software engineering and intelligent systems.

SKILLS

Problem Solving
Logic & Algorithmic Thinking
Development
DevOps & CI/CD
AI & Machine Learning

WORK EXPERIENCE

LEAD DEVELOPER | TRUSTIVETECH (REMOTE)

AUG 2025 - PRESENT

Directed multi-project development teams across the full software lifecycle, from architectural design through deployment and maintenance. Established engineering standards including CI/CD automation, code review protocols, and best practices, achieving measurable improvements in delivery velocity and defect reduction. Architected cloud and on-premises infrastructure, integrating modern frameworks to ensure system scalability, reliability, and operational efficiency.

AI ENGINEER | BITLOGICX, LAHORE

MARCH 2024 - MAY 2025

Designed, developed, and deployed machine learning solutions for production business applications, encompassing deep learning, natural language processing, and computer vision systems. Investigated and applied state-of-the-art AI techniques to improve model accuracy and computational efficiency. Collaborated with cross-functional teams to align technical AI implementation with organizational objectives and business requirements.

FREELANCE FULL STACK DEVELOPER | SELF-EMPLOYED

2023 - 2025

Delivered end-to-end software solutions for international clients across Qatar, Saudi Arabia, and the broader MENA region, independently managing the full product lifecycle from requirements engineering to deployment. Designed and implemented scalable full-stack systems integrating user-facing interfaces, backend APIs, and cloud infrastructure across diverse application domains.

- Rawabet Real Estate Platform — Full-stack bilingual property platform with smart home integration, secure auth, and cloud infrastructure. rsre.sa
- Ajial Educational Platform — Multi-regional educational system with dynamic content management, booking, and analytics for Qatar and Saudi Arabia. ajialqtr.com
- Al Faris Legal Services — Mobile legal services app with real-time communication, payment processing, and AI-powered consultation chatbot. alfarisconsultation.com
- Bayt AI-Lughah — NLP research platform for Arabic dialect annotation with automated inter-annotator agreement scoring (Cohen's Kappa). osamah.cloud
- TrustiveTech — Production-grade website for an early-stage technology startup. trustivetech.com

PUBLICATIONS

A Vision for Context-Aware CI Adoption Decisions — Companion Proceedings of the 34th ACM Symposium on the Foundations of Software Engineering (FSE '26), July 2026, Montreal, Canada. ACM.

CERTIFICATIONS

- TCPS 2: CORE — Panel on Research Ethics, Government of Canada. November 2025
- Git & GitHub Essentials — GitHub Learning Lab.