

MUHAMMAD ALI ASHRAF

Software Engineer | DevOps

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SUMMARY

Solutions-oriented Software Engineer from COSMATS University Islamabad Attock Campus with a strong DevOps and infrastructure foundation: hands-on experience with Docker, Jenkins, AWS, and end-to-end CI/CD pipelines, backed by full-stack software development skills and system design. Deployed and managed multi-tier application infrastructure on self-administered Linux servers. Currently expanding into Network Engineering and Security (CCNA in progress) to build full-spectrum infrastructure expertise across compute, network, and cloud.

TECHNICAL SKILLS

DevOps & Automation: Docker, Jenkins, CI/CD Pipelines, Git, GitHub

Monitoring & Observability: Prometheus, Grafana

Cloud & Infrastructure: AWS (EC2, S3), Nginx, Virtualization (Type 1 & Type 2 Hypervisors)

Linux & Systems Administration: Debian/Ubuntu, terminal & file management, cron jobs, access & role management, SSH & key management

Containerization & Orchestration: Docker, Kubernetes (in progress)

Networking: CCNA (in progress), Network Automation Engineering, Network Security

Frontend Development: React, Next.js, TypeScript, Vite, Tailwind CSS, shadcn/ui, Framer Motion, Zustand, TanStack Query, Zod

Backend Development: NestJS, Express.js, Node.js, JWT, WebSockets, Python

Databases & Caching: PostgreSQL, MongoDB, Redis, Drizzle ORM, Supabase, Firebase

Browser Extensions: Chrome Extension Development, Manifest V3, JavaScript, Firebase Realtime DB/Auth, HTML5, CSS3

WORK EXPERIENCE

Software Engineer ServiqForge Pvt. Ltd.

April 2026 – Present

- Building and maintaining production software systems as part of the core engineering team.

DevOps Engineer Intern SOFTOO (A Brillanz Group Company), Islamabad, PK

Jan 2024

- Gained hands-on experience in operating systems, file systems, process management, and virtualization by setting up Type 1 and Type 2 hypervisors
- Deployed a full-stack web application on an Ubuntu server configured with SSH, Nginx, and virtual machines
- Mastered Linux commands, permissions, and SSH key management for local network access
- Actively collaborated with team members.

EDUCATION

Bachelor of Science in Software Engineering COMSATS University Islamabad, Attock Campus

Graduated SP-25

- Strong foundation in software engineering with a focus on practical, industry-relevant skills
- Proficient in polyglot programming with hands-on experience across multiple languages
- Experienced with DevOps tools including Docker, Jenkins, AWS, and CI/CD pipelines
- Developed strong project management, team-building, and communication skills

CCNA (Cisco Certified Network Associate) CORVIT Systems, Islamabad (Onsite)

Completion: Sept 14, 2026

PERSONAL INFRASTRUCTURE PROJECTS

Tier-3 Deployment & CI/CD Pipeline

- Configured and deployed a complete 3-tier architecture (frontend, backend, database) on a self-managed Ubuntu server
- Built an end-to-end CI/CD pipeline (GitHub to Jenkins to AWS EC2) for automated build, test, and deployment

PERSONAL PROJECTS

HelloDesk

Lightweight real-time availability tracker for remote engineering teams: live status, “what I'm working on,” and daily work-hour totals, with crash-safe presence detection. Chrome Extension (MV3) on Firebase Realtime Database, zero servers to maintain.

github.com/D3V-ALPHA/HelloDesk

WinCV *(in development)*

A Windows 7-styled Desktop & Mobile responsive web app running entirely in-browser with no backend: a working file explorer, a PDF-viewable CV and project folders, and a couple of retro mini-games, with a full in-app browser planned.

alidoesdevops.cloud

CMS – Course Management System

Full-stack LMS with role-based teacher/student dashboards, a real-time activity feed, and progress tracking. Built with React, NestJS, PostgreSQL, Redis pub/sub, WebSockets, and Docker Compose for a technical assessment.

github.com/D3V-ALPHA/CMS

LEADERSHIP & ACTIVITIES

President & Consultant, Official COMSATS Media Team

- Led the university's official media team, later continuing in a consulting capacity
- Recognized with an award for outstanding service in both roles

AWARDS & RECOGNITION

- Multiple awards for outstanding performance and contributions across university societies
- Award for outstanding service as President and later Consultant of the Official COMSATS Media Team

LANGUAGES

Urdu: Native English: Proficient