AHMAD SHAKEEL

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DevOps Engineer & Software Developer with proven experience in cloud infrastructure, automation, and cross-platform application development. Skilled in AWS (EC2, ECS Fargate, ECR, EKS, Lambda), Docker, Kubernetes, Terraform, and CI/CD pipelines using GitHub Actions and Azure DevOps. Proficient in Flutter and Firebase for building scalable, real-time mobile applications with seamless backend integration. Hands-on background in automating deployments, optimizing release workflows, and managing secure, reliable systems across on-prem and cloud environments. Highly focused on operational excellence, performance optimization, and continuous improvement in modern DevOps and software engineering practices.

EXPERIENCE

DECEMBER 2025 – PRESENT
DEVOPS TRAINEE, *POWER INFORMATION TECHNOLOGY COMPANY (PITC)*

e-Ops (Power Sector Management Platform for all DISCOs of Pakistan)
- Implemented CI/CD pipelines for **e-Ops** (ReactJS frontend, .NET backend) on on-premise servers in Islamabad & Lahore.
- Modernized legacy deployments, introduced Docker containerization, and contributed to orchestration and automation planning.
- Ensured secure, reliable deployments across enterprise-scale systems.
- **Tech Stack:** GitHub Actions, Docker, ReactJS, .NET, MySQL, Linux, On-prem infra

AUGUST 2025 – SEPTEMBER 2025
DEVOPS INTERN, *NETSOL PAKISTAN*

- Designed secure **AWS VPC** & **subnets**; automated deployments of Dockerized microservices on ECS Fargate.
- Managed Docker images in ECR; automated CI/CD with GitHub Actions; orchestrated workloads with Kubernetes (Minikube & AWS EKS).

MAY 2025 TO JUN 2025
SOFTWARE DEVELOPMENT INTERN, *SYNERGY ELEKTRIK (PVT.) LTD.*

- Contributed to the development of a custom application for transformer testing reports.
- Assisted in creating data input forms, automating test parameter storage, and generating structured digital reports.
- Strengthened skills in database handling, software logic, and technical data management.

MARCH 2025 – MAY 2025
FLUTTER AND SOFTWARE MANAGEMENT, *THEHASH.IO*

- Built and maintained cross-platform **Flutter** apps with responsive **UI/UX.**
- Managed version control, agile sprints, and release deployment.

SEP 2024 – DEC 2024
FLUTTER DEVELOPER INTERN, *APPRAYS*

- Developing **cross-platform mobile applications** using **Flutter**.

- Integrating **Firebase** for backend services, authentication, and real-time data management.
- Enhancing UI/UX by implementing responsive and dynamic app interfaces.

EDUCATION

2021-2025
BACHELORS IN SOFTWARE ENGINEERING, *UNIVERSITY OF CENTRAL PUNJAB, LAHORE*
CGPA 3.73/4

2019-2021
INTERMEDIATE IN ENGINEERING, *FORMAN CHRISTIAN COLLEGE UNIVERSITY, LAHORE*

CERTIFICATIONS

"MOBILE APP DEVELOPMENT USING FLUTTER"
LAHORE UNIVERSITY OF MANAGEMENT SCIENCES (LUMS)

COURSE PROJECTS

ZARRAAT MOBILE APP (FINAL YEAR PROJECT), **ANDROID APPLICATION**

Developed a cross-platform Flutter app for agriculture in Pakistan, featuring weather forecasts, crop market data, a buy/sell platform, and guidance on foreign crops. Integrated Firebase backend and a bilingual, accessible UI.

PERSONAL PORTFOLIO WEBSITE, **PORTFOLIO**

Built a responsive Flutter Web portfolio to showcase skills and projects, ensuring cross-device compatibility and deploying via Firebase Hosting for fast and secure delivery.

QURAN-E-AZIZ, **ANDROID APPLICATION**

Created a user-friendly Flutter app with bookmarking, surah/ayah search, and easy navigation, designed for accessibility and a wide user base.

EXPERIENCE BASED PROJECTS

E-OPS – NATIONAL ELECTRIC UTILITY OPERATIONS PLATFORM (PITC)

Implemented CI/CD pipelines with GitHub Actions for ReactJS frontend and .NET backend on on-premise servers. Introduced Docker containerization, automated deployments, and contributed to orchestration planning for enterprise-scale operations across all DISCOs in Pakistan.

TELEMETRY WEB APPLICATION, SOFTVERX (SOFTWARE HOUSE)

Developed a Flutter web app with customer authentication and device dashboards using Swagger APIs. Displayed smart home devices by room/type, showing voltage, temperature, power usage, and statuses, with 24-hour trend visualization via Flutter SL graph.

DEVOPS PROJECTS (NETSOL INTERNSHIP) – AWS, DOCKER, KUBERNETES

Designed AWS VPC/subnets, configured OpenVPN access, and deployed Dockerized microservices (frontend, backend, DB) with Docker Compose and Nginx. Automated ECS deployments with GitHub Actions, managed ECR images, and orchestrated workloads with Kubernetes (Minikube & AWS EKS).

SECURE AWS EC2 CLI AUTOMATION WITH LOGGING, (NETSOL INTERNSHIP)

Built Python CLI tool with bcrypt authentication, EC2 automation via tags, SSH access, and centralized S3 logging. Ensured compliance and traceability, using Boto3, AWS CLI, and GitHub for version control.

MTR COMPANY WEBSITE – BUSINESS PORTFOLIO (REACT, VERCEL, TAILWIND)

Developed a responsive corporate site using React (Vite) and TailwindCSS. Implemented dynamic product rendering from JSON, Cloudinary image hosting, EmailJS contact form, and deployed via Vercel with GitHub CI workflows.

ISP BILLING SYSTEM – (REACT, .NET 8, MYSQL, DOCKER)

Full-stack local application with React frontend, .NET 8 backend, MySQL, JWT authentication, role-based access, PDF invoice generation, and Docker Compose containerization for offline deployment.

SKILLS & EXPERTISE

DevOps & Cloud:
AWS (EC2, Lambda, ECS Fargate, ECR, VPCs, Subnets, NAT Gateways, Security Groups), Docker, Kubernetes (Minikube, AWS EKS), Helm, GitHub Actions, CI/CD pipelines, containerization, and cloud infrastructure design.

Programming & Development:
Dart, C++, HTML, CSS (Advanced); Java, C++ (Intermediate); C, Python, PHP (Beginner). Strong foundation in OOP, DSA, software architecture, and agile practices.

Mobile & Web Development:
 Flutter (Android & iOS), Firebase, Flutter Web; UI/UX design; Frontend & Backend engineering; Database design (SQL, Firebase).

Machine Learning:
Python, TensorFlow (model development, data preprocessing – beginner level).
Tools & Platforms: Android Studio, VS Code, Eclipse, StarUML, Figma, Git/GitHub, Docker, Kubernetes, OpenVPN.

Soft Skills:
Strong organizational & time-management skills, communication & interpersonal skills, problem-solving & analytical thinking, detail-oriented, quick learner, team player, adaptable to new tools and technologies.

LANGUAGES

- English
- Punjabi
- Urdu