

IBAD UR RAZZAQ SIDDIQUI

Cloud & DevOps Engineer

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linkedin.com/in/ibadsiddiqui1 • Pakistani • Skilled Worker / EU Blue Card / EP Sponsorship Required

PERSONAL STATEMENT

Cloud and DevOps Engineer with six years across mobile, full-stack, and cloud-platform engineering. Delivered an 84% AWS cost reduction through automated right-sizing, reserved-instance strategy, and scaling policies. Experienced in designing AWS Landing Zones with Control Tower and multi-account governance. Core stack: Terraform, Pulumi, AWS CDK for IaC; GitHub Actions, ArgoCD, Helm for GitOps; EKS and Docker for containerisation; Datadog, Prometheus, and Grafana for observability. AWS Certified Solutions Architect Associate. Security-first approach covering IAM, Secrets Manager, encryption, and PCI-DSS compliance.

KEY SKILLS

- Cloud Platforms: AWS (EC2, EKS, Lambda, S3, IAM, RDS, CloudWatch, API Gateway, Landing Zone, Control Tower), Microsoft Azure
- Infrastructure as Code: Terraform, Pulumi, AWS CDK, SAM, Serverless Framework, CloudFormation
- CI/CD & GitOps: GitHub Actions, ArgoCD, Helm, GitOps workflows
- Containers & Orchestration: Docker, Kubernetes (EKS), Helm Charts
- Observability: Datadog, Prometheus, Grafana, CloudWatch, ELK Stack
- Backend & Languages: Node.js, NestJS, TypeScript, Python, JavaScript, Dart
- Databases: PostgreSQL (schema design, indexing, zero-downtime migrations), Redis, Firebase
- Security: AWS IAM, Secrets Manager, PCI-DSS, encryption at rest/transit, secrets management
- Frameworks: Next.js, React, Express, Flask, Flutter, React Native
- Architecture: Clean Architecture, SOLID, Microservices, Event-Driven, Offline-First
- Other: Linux administration, Bash scripting, Blockchain (Solidity, Web3.js)

EMPLOYMENT HISTORY

Cloud Engineer (Promoted) | KonoZ Retaj, Riyadh, Saudi Arabia

January 2023 – Present

Overview

Promoted from Software Engineer to Cloud Engineer, taking full ownership of enterprise cloud infrastructure across AWS and Azure. Responsible for designing, building, and managing scalable, secure cloud platforms while continuing to deliver full-stack web applications for business-critical systems.

Key Responsibilities

- Design and manage cloud infrastructure across AWS and Azure, ensuring high availability, security, and scalability
- Develop and maintain IaC using Terraform, Pulumi, and AWS CDK across multiple environments
- Build and optimise CI/CD and GitOps pipelines using GitHub Actions, ArgoCD, and Helm
- Manage containerised workloads on Kubernetes (EKS) with Docker and Helm charts
- Design serverless architectures using Lambda, API Gateway, SAM, and Serverless Framework
- Architect and implement AWS Landing Zones using Control Tower, SCPs, and multi-account strategies for secure, scalable cloud foundations
- Lead on-premises to cloud migration projects with minimal downtime
- Implement observability using Datadog, Prometheus, Grafana, CloudWatch, and ELK Stack
- Enforce security best practices: IAM policies, Secrets Manager, encryption at rest/transit, PCI-DSS compliance
- Manage production PostgreSQL databases: schema design, indexing, query optimisation, zero-downtime migrations
- Develop full-stack web applications using Next.js, React, Node.js, NestJS, and TypeScript

Achievements

- Delivered 84% reduction in AWS spending through automated right-sizing, reserved-instance strategy, and scaling policies
- Built a distributed task queue processing 100K+ daily jobs with fault tolerance, retry mechanisms, and horizontal scaling
- Successfully migrated on-premises systems to cloud with zero data loss and minimal downtime
- Established GitOps-based deployment workflow that eliminated manual deployments and improved release reliability
- Designed AWS Landing Zone architecture with multi-account governance, guardrails, and self-service platform for engineering teams

Software Engineer | Konoz Retaj, Riyadh, Saudi Arabia

September 2021 – December 2022

Overview

Joined as a mobile and backend engineer responsible for building cross-platform mobile applications and supporting backend services. Delivered production-grade iOS and Android apps using Flutter and React Native with cloud-connected backends on AWS.

Key Responsibilities

- Develop cross-platform mobile applications using Flutter and React Native with clean architecture and SOLID principles
- Build scalable backend services and RESTful APIs using Node.js, NestJS, and TypeScript
- Design and manage PostgreSQL databases for mobile backends with efficient schema and migrations
- Integrate AWS Amplify for authentication, API management, and cloud-connected features
- Implement Firebase services: Firestore, Cloud Messaging, Remote Config, and Analytics
- Build serverless backend functions using Lambda and Serverless Framework
- Develop offline-first features with local persistence and sync for low-connectivity environments

Achievements

- Delivered multiple production mobile apps on iOS and Android used by end customers across KSA
- Reduced backend development time by integrating AWS Amplify and serverless patterns for common mobile API needs
- Implemented offline-first architecture that maintained full app functionality without network connectivity
- Promoted to Cloud Engineer within 15 months based on demonstrated ownership and technical growth

Software Engineer | GlaxoSmithKline (GSK), Pakistan

June 2020 – September 2021

Overview

Backend and full-stack engineer supporting microservices-based application architectures for a Fortune 500 pharmaceutical company. Responsible for building APIs, managing databases, and integrating third-party services across multiple business systems.

Key Responsibilities

- Develop and maintain RESTful APIs and backend services using JavaScript, TypeScript, and Python
- Design and manage PostgreSQL and NoSQL databases ensuring data integrity and performance
- Build frontend features using React for responsive web applications
- Integrate third-party APIs and external services to extend application functionality
- Implement microservices architecture with event-driven communication patterns
- Conduct code reviews, bug fixing, and quality assurance testing

Achievements

- Built modular, independently deployable microservices that improved system reliability and deployment velocity
- Implemented event-driven communication patterns that decoupled services and reduced system-wide failures
- Delivered full-stack features across multiple business applications serving GSK Pakistan operations
- Maintained high code quality standards through rigorous code reviews and QA practices

Software Engineer | mParsec Pvt. Ltd., Pakistan

October 2018 – May 2020

Overview

Junior-to-mid software engineer at a software consultancy, delivering diverse client projects across web, mobile, and blockchain domains. Built REST APIs, full-stack web applications, and cross-platform mobile apps for clients across multiple industries.

Key Responsibilities

- Develop REST APIs and backend services for client-facing applications
- Build full-stack web applications collaborating with design and product teams
- Design and manage databases for multiple client projects
- Develop cross-platform mobile applications using Flutter for iOS and Android
- Implement blockchain-based solutions using Solidity and Web3.js

Achievements

- Delivered production mobile apps using Flutter that extended client product reach to both iOS and Android platforms
- Built an Ethereum-based decentralised asset tracking system with smart contract automation
- Successfully delivered diverse client projects across industries, demonstrating adaptability and rapid technical learning
- Gained foundational experience across the full stack that enabled career progression into cloud and DevOps engineering

KEY PROJECTS

Full portfolio: ibadsiddiqui.dev/projects

Cloud Cost Optimizer: Infrastructure optimisation toolkit that reduced AWS costs by 84% through automated resource analysis, right-sizing, and scheduling policies. Tech: AWS, Terraform, Python, Lambda, CloudWatch, Datadog

Distributed Task Queue: Scalable task processing system handling 100K+ jobs daily with fault tolerance, retry mechanisms, and horizontal scaling. Tech: Node.js, Redis, PostgreSQL, Docker, ECS, CloudWatch

HooksDash: Ngrok alternative for backend development, architected within a Turbo monorepo with CLI, frontend, and backend APIs deployed as ECS service on AWS. Tech: AWS ECS, TypeScript, Node.js, Turbo

Microservices Platform: Event-driven microservices architecture with service discovery, centralised logging, and real-time monitoring. Tech: NestJS, RabbitMQ, PostgreSQL, Kubernetes, Grafana

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate
- AWS Certified Cloud Practitioner
- AWS Certified AI Practitioner

EDUCATION

Bachelor of Science in Computer Science | Hamdard University, Karachi, Pakistan

Graduated: February 2019 | CGPA: 3.49/4.00

LANGUAGES

English (Professional Proficiency — IELTS Academic 6.5 / B2) • Urdu (Native) • German (A1)

HOBBIES & INTERESTS

Passionate about cloud architecture — continuously pursuing certifications and experimenting with new IaC patterns and Kubernetes tooling. Active tech blogger, writing about cloud engineering, DevOps practices, and cost optimisation. Currently learning German (A1) with plans to achieve B1 proficiency. Enjoy travelling and experiencing different cultures, having lived and worked across Pakistan and Saudi Arabia. Regular football player and follower of international leagues.

REFERENCES

Available upon request.