

Adnan Said

Software Engineer

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Personal Profile

Senior DevOps Engineer with expertise in AWS cloud infrastructure, CI/CD automation, IaC, and microservices. Skilled in building secure, scalable, and highly available cloud solutions while optimizing DevOps toolchains to drive efficiency. Passionate about continuous improvement, mentoring engineers, and embedding automation-first principles in Agile environments. I'm looking for a role where I can take on greater leadership responsibilities, mentor teams, and drive DevOps excellence

Employment history

Senior DevOps Engineer - British Telecom (BT)

2023 - Present

Key Achievements:

- **API Gateway Management:** Led critical updates to a shared **AWS API Gateway**, integrating new **Lambda functions** and ensuring seamless interaction with microservices. Enabled **UI-based configuration** by linking API elements for streamlined management.
- **Automation of Resource Creation:** Architected and automated AWS resource creation using **Pulumi** with **TypeScript** integrated into **GitLab CI** pipelines, allowing efficient resource provisioning triggered by merge requests.
- **Microservices Development:** Spearheaded the development of microservices that streamline backend processes, reducing manual intervention in infrastructure management. This included linking **shared API confirmation** checkboxes to automate backend task execution.
- **Docker Integration:** Enhanced Docker images used in **GitLab CI pipelines**, optimizing the containerization process to improve deployment times and efficiency in development environments.
- **CI/CD Pipeline Enhancements:** Implemented and optimized **CI/CD pipelines** for internal projects, ensuring smooth deployment of AWS resources and continuous integration for both front-end and back-end services.
- **Documentation & Support:** Provided thorough documentation for infrastructure and API gateway updates, adding migration instructions and configuration guidelines to **Confluence**. This helped improve onboarding for developers and operational teams.
- **Project Integration & Testing:** Designed and tested deletion actions linked to project components, integrating dynamic selections and ensuring reliable back-end logic for project cleanup operations.

DevOps Engineer - British Telecom (BT)

2021 - 2023

Key Contributions:

- Developed and maintained **Equinix network edge infrastructure** deployment using Terraform, with automated CI/CD pipelines for efficient infrastructure provisioning.
- Designed and deployed a highly available platform using **AWS EC2** instances and **Lambda functions**, replacing legacy systems with modern, scalable solutions.
- Wrote **React components** to improve front-end interaction, handling API calls, and linking back-end automation tools such as **Ansible** and **Terraform** scripts.
- Created and managed **AWS IAM roles** and permissions, ensuring secure access and smooth deployment processes.
- Led documentation efforts, writing detailed guides for both front-end and back-end teams, and facilitating cross-team collaboration through live demo sessions.

Founder & Software Engineer - Adaptive Workflow Consultancy

2020 - 2021

Key Achievements:

- Established and ran Adaptive Workflow Consultancy, specializing in building websites tailored to client needs using React, JavaScript, HTML, and CSS.
- Developed custom front-end components and ensured responsive design for an optimized user experience across platforms.
- Designed and delivered scalable and efficient web applications using modern web development frameworks and tools.
- Worked closely with clients to gather requirements, deliver personalized solutions, and provide exceptional ongoing support.
- Managed project timelines and ensured successful project delivery within deadlines.

Skills

Skill	Usage
Cloud Platforms	AWS (EC2, Lambda, IAM, API Gateway, S3, CloudWatch)
Infrastructure as Code	Pulumi (TypeScript), Terraform (Remote State, Dynamic Blocks)
CI/CD Pipelines	GitLab CI/CD, Jenkins
Containerization	Docker, Kubernetes (Basic)
OS & Scripting	Linux/Unix, Bash, Python (Boto3)
Configuration Management	Ansible (Playbooks, Vault)
Security & Access Control	AWS IAM, Ansible Vault, AWS Secrets Manager
Agile & DevOps Practices	Scrum/Kanban, GitOps, Test-Driven Infrastructure
Monitoring & Logging	AWS CloudWatch, ELK Stack
Version Control	Git (Branching, Merging, Rebasing)
Cloud Platforms	AWS (EC2, Lambda, IAM, API Gateway, S3, CloudWatch)
Infrastructure as Code	Pulumi (TypeScript), Terraform (Remote State, Dynamic Blocks)

Education

2019-2020 Aston, University, MSc Computer Science

Modules include Data Structure & Algorithms, Team Projects, Data Mining, Human-Computer interaction, Dissertation, and Software engineering.

October 2017 – February 2018 (Study) TUM- Technical University Munich, EU- Student

2015-2019 Aston University, BEng Mechanical Engineering

Interests

Outside of work, I love exploring the world—whether it’s traveling to new places, hiking wherever I can, or getting lost in a great book. Giving back is also important to me. I’ve most recently raised money for Midland Heart, Lymphoma (especially for the incredible support they provided me), and Prostate Cancer, taking on both donation drives and a month-long marathon challenge to make a difference.

References available on request