

DORRABB KHAN

Senior DevOps & Cloud Engineer

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PROFILE INTRODUCTION

Experienced DevOps and Cloud Engineer with comprehensive expertise in the design, development, and optimization of modern cloud-native architectures. Solid knowledge of infrastructure automation using IaC (AWS, Terraform, Ansible), observability (Datadog, CloudWatch, Grafana, Loki, Prometheus) and CI/CD (Gitlab, Github, Bitbucket, Jenkins). Experienced programmer (JS/TS, Python, Rust, C/C++, Bash) with a deep understanding of system architecture, containerization (Docker, Kubernetes), and agile working. Brings a solution-oriented mindset, strong communication, teamwork skills, and high quality standards to complex projects.

SKILLS AND TECHNOLOGIES

DevOps: Jenkins, Ansible, Git (Gitlab, Github, Bitbucket), Kubernetes, Docker, Jira/Atlassian

Cloud: AWS (EC2, S3, ECS, RDS, DynamoDB, Route53, API Gateway, Lambda, VPC), FinOps, Terraform, Firebase

Programming: Javascript, Typescript, Python, Rust, C, C++, Bash

Frameworks/Databases: NestJS, NextJS, Pandas, NumPy, PostgreSQL, MySQL, Redis

OS: Linux (Debian/Ubuntu), Windows

Observability: DataDog, CloudWatch, Grafana, Loki, Prometheus

Languages: English (C2), German (B2), Urdu (C2), Pashto (C2), Hindi (Spoken only)

WORK EXPERIENCE

Senior DevOps Engineer

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Jan 2020 - Present

- Climbed the ladder from Working Student Software Engineer (2.5 years) to Junior Software Engineer (3 months) to DevOps Engineer (2.5 years) to presently Senior DevOps Engineer (3 months and counting).
- Spearheaded the infrastructure design and implementation of our brand-new SaaS product using AWS ECS, RDS, Route53, S3 and Lambdas. In charge of making key design choices to deliver consistent latency, high availability and scalability. The new product's backend monolith processes upto 1.5 million requests monthly using a single ECS service with sub-300ms latency in a scalable, reliable and cost-effective manner.
- Undertaking DevOps and Cloud Engineering responsibilities, performing tasks such as implementing CI/CD pipelines in GitLab, Bitbucket and Jenkins, cloud cost management and FinOps, ensuring high security standards, implementing internal automation features and tools, designing ground infrastructure for smooth and containerized developer environments, keeping the codebase compliant with GDPR and maintenance/upgrades of existing on-premise and cloud infrastructure.
- Worked with various AWS services like EC2, ECS, Lambda, S3, DynamoDB, RDS, Route 53, VPCs, WAF, Glue, API Gateway, Cloudwatch, AppConfig etc.

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- Led the setup of Loki/Grafana/Prometheus/CloudWatch stack on AWS EC2 to replace DataDog for one of our products in order to monitor both our on-premise and cloud infrastructure. Worked with related services like Promtail, PushProx, Node Exporter & Ansible. This migration reduced our monthly monitoring costs for said product by upto 90%.
- Setup various APM (Application Performance Monitoring) methods such as synthetic testing, log collection & analysis, tracing with OpenTelemetry, monitoring of key metrics (latencies, throughput, error rates, downtimes, resource utilization) of our infrastructure, and setup alerts and dashboards. Primarily done using DataDog and Grafana/Loki/Prometheus.
- Actively involved in recruiting activities at my current workplace, such as CV reviews, home task evaluations, technical & culture interviews, conducting live coding tests, final decisions, etc.
- Acted as first point-of-contact with our clients for technical implementation and testing, as well as external customer success teams such as AWS, DataDog, Recombee.
- Wrote a microservice that preprocesses and sanitizes hundreds of thousands of incoming JSON messages each month. This microservice is still the fastest and most efficient microservice in the entire pipeline.
- Designed processes and automation for migrating existing customers from on-premise services to the cloud.
- Extensively worked on technical documentation tasks such as schema/design documentation, user manuals & tutorials, architecture decision records (ADR), code documentation & reviews, establishing documentation standards, etc.
- Supported the Operations/Site Reliability team in tasks such as monitoring, production troubleshooting, deployments, etc. CI/CD tasks such as deployments.
- Migrated the entire legacy codebase from Python 2.7 to Python 3.8, consisting of 14 microservices, resolving all dependencies. Optimized the code, ensuring that it complied with modern Python standards.
- Worked significantly on creating from scratch a pipeline of 7 Rust microservices and its infrastructure based on AWS ECS and SQS. This pipeline is the foundation for our new in-the-cloud message processing technology.
- Designed ETL pipelines with AWS Glue, parsing raw files from S3 into meaningful data for BI and reporting.

EDUCATION

BSc. in Robotics and Intelligent Systems

Constructor University Bremen (formerly Jacobs University)

Jan 2019 – Jun 2022

GPA: 1.43 German / 3.90 American (based on Jacobs University GPA Conversion Guide)

Notable courses taken: Algorithms and Data Structures, Programming in C and C++, Embedded Systems, Databases and Web Services, Industrial Engineering Management, Computer Vision, Operating Systems, Computer Networks, Machine Learning, Production Planning and Control, Image Processing, Marine Robotics, Operations Research

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ACTIVITIES & HOBBIES

Founder

Ilm Abroad Pakistan

April 2025 - Present

Founded an educational project called "Ilm Abroad" that helps aid students from Pakistan navigate their educational journeys abroad, mainly targeting Germany and other European countries. Already working with multiple students, aiding them tackled the nuances of university, scholarship and visa applications.

Technical Lead

Google Developer Student Club @ Jacobs

Nov 2021 – Jun 2022

Organized 8 events on campus to promote learning about tech and career development in a peer-to-peer, inclusive setting. Also led my team for the Lighthouse App to win the GDSC-EU Ideathon 2022 and finish top 50 worldwide in Google DSC Solutions Challenge 2022. I acted as an organizer and speaker at events, and as a mentor to over 80 members of the club.

Various Roles

Undergraduate Student Government @ Jacobs

Jun 2019 – Jun 2022

Elected for a one-year tenure as member of the USG Parliament, the highest form of student government at Jacobs University. We made impactful decisions about improving campus life and academics, and oversaw the financing of student-organized events. I was also the elected Focus Area Representative for Mobility, where I acted as the liaison between the administration and students from five engineering-related majors and supervised their Major Representatives.

Hobbies: Fitness, Travel, Sports, Youtube, Gaming, Netflix



Munich, 25.06.2025