Shramish Kafle

Devops Engineer

+491779572891 — shramish4@gmail.com — LinkedIn-ShramishKafle — https://github.com/shramish2057 — PersonalWebsite

Summary — DevOps Engineer with expertise in architecting and automating large-scale cloud infrastructures on AWS and Azure. Skilled in leading cross-functional teams to build scalable CI/CD pipelines, automate IaC with Terraform and Ansible, and optimize operations using Kubernetes and Docker. Skilled in optimizing cloud environments, ensuring security and compliance, and mentoring teams for high operational performance.

Skills

Cloud Platforms AWS, Azure
Automation Terraform, Ansible
DevOps Tools Docker, Kubernetes, GitLab CI/CD, Jenkins, ArgoCD
Monitoring Prometheus, Grafana, Loki

Languages Python, Bash, TypeScript, Scala, Java
Frameworks ReactJS, NodeJS, Express, Vue, Spring Boot
Databases MongoDB, MySQL, PostgreSQL
OS Linux (Debian, Ubuntu, CentOS), Windows
Code Quality SonarQube

Experience

KSB Company **Jan 2025 – Ongoing**

DevOps Engineer

Technologies Used: AWS, Docker, Kubernetes, Linux, Python, Terraform, Ansible, GitLab CI/CD, ArgoCD, Prometheus, Grafana

- Led the architecture and migration of a multi-account AWS infrastructure supporting over 500 software developers, establishing a secure and scalable AWS Landing Zone following industry best practices.
- Managed and mentored a team of 5 DevOps engineers, ensuring successful project delivery and promoting expertise in AWS, Infrastructure as Code (IaC), and DevOps methodologies.
- Architected and deployed an IaC solution using Terraform, automating resource provisioning and management across multiple AWS accounts.
- Designed and optimized CI/CD pipelines with GitLab, streamlining deployments for infrastructure and containerized applications on Docker and Kubernetes.
- Implemented monitoring and alerting using Prometheus, Grafana, and Loki, improving incident management and observability.
- Automated AWS account management, policy enforcement, and compliance tracking, enhancing security, governance, and scalability across the organization.

MHP A Porsche Company **Sep 2022 – Dec 2024**

Consultant (Cloud Architecture and Development)

Technologies Used: AWS, Docker, Kubernetes, Linux, Scala, Typescript, Terraform, Ansible, Jenkins, ArgoCD, Prometheus, Grafana

Volkswagen: Digital Supply Platform

- Architected and developed DSP notification center, utilising Kubernetes clusters and Docker to deliver scalable, high-availability solutions.
- Implemented automated testing and deployment pipelines using Git, Jenkins, and Terraform, significantly enhancing deployment efficiency.
- Managed the complete AWS infrastructure, including CDK setup, IAM configuration, and continuous monitoring with Prometheus and Grafana.
- Leveraged extensive experience in Linux and networking concepts to implement secure network configurations within cloud environments.
- Developed and optimized Ansible playbooks for automating the configuration and management of cloud environments, streamlining operations and reducing manual intervention.
- Implemented best practices in CI/CD pipelines, ensuring efficient and reliable deployment processes.
- Delivered advanced learning sessions and mentoring to colleagues on DevOps tools and practices.

Junior Consultant (Cloud Architecture and Development)

Technologies Used:AWS, React, Redux, RTK Query

Porsche: MHP Fleetexecutor Project

- Led the design and development of the Fleetexecutor Map portal for AGV tracking, utilizing React, Redux, and RTK Query to create a seamless user experience.
- Implemented CI/CD pipelines using GitLab, ensuring smooth deployment and continuous integration of features for the Fleetexecutor application.
- Architected AWS infrastructure using AWS CDK, allowing for scalable and efficient resource management for the Fleetexecutor application.
- Managed AWS infrastructure using AWS SQS to handle MQTT messages from AGV VDA5050, ensuring reliable communication and data processing.

Breeze Technologies **Sep 2021 – Aug 2022**
Fullstack Software Developer (Workstudent)
Technologies Used:Microsoft Azure, React, Typescript, Redux, NodeJS, MySQL, SCSS

- Led fullstack development with React, TypeScript, Redux for frontend and Node.js with Express.js for backend.
- Designed and implemented dynamic data visualizations using React Heatmap Grid and D3.js.
- Configured and integrated essential Azure services to ensure seamless business operations.
- Provided strategic insights on Azure service utilization and cost optimization.
- Managed code quality by reviewing pull requests, resolving merge conflicts, and implementing TDD with Mocha and Chai.

dintegra GmbH **Jun 2021 – Sep 2022**
Fullstack Software Developer (Internship)
Technologies Used: AWS, VueJS, Vuex, Laravel(PhP), MySQL, NestJS, TypeORM, PostGreSQL, Cypress, Gitlab, Docker

- Architected and developed a comprehensive data analytics platform with advanced JWT authentication using Krakend API Gateway and Laravel Passport.
- Implemented multi-tenant architecture with NestJS, TypeORM, and PostgreSQL for scalable solutions.
- Designed dynamic data visualizations using Chart.js, Leaflet, and SPMS integrations.
- Demonstrated advanced proficiency in AWS, managing deployments, automating infrastructure with CloudFormation, and configuring VPC for secure networking.

Education and Certifications

- **Jacobs University Bremen**
  Bachelor of Science in Computer Science
  Teaching Assistant in Software Engineering
  Mentored students for AWSCloudHack

- **Certifications**
  AWS - Certified DevOps Engineer Professional
  Microsoft Certified: Azure Solutions Architect Expert
  Kubernetes Certified Application Developer
  HashiCorp Certified Terraform Associate

Projects

DevDash: Developer Dashboard CLI ***https://github.com/shramish2057/devdash***

- Developed DevDash, a command-line interface (CLI) tool from scratch to streamline the monitoring and management of developer resources. DevDash integrates with platforms such as GitHub, Jenkins, GitLab, CircleCI, Docker, and Kubernetes, allowing developers to efficiently monitor CI/CD pipelines, manage Docker containers and Kubernetes pods, and track system metrics like CPU, memory, and disk usage.

Languages

English **Proficient**
German **Proficient**