

Sourav Kuila

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SUMMARY

Senior DevOps Engineer with 3 years of experience in building and managing cloud infrastructure on **Microsoft Azure**. Experienced in automating deployments and infrastructure using **Terraform**. skilled in containerization with **Docker** and orchestration with **Kubernetes**. Strong background in setting up and optimizing **CI/CD pipelines** to enhance software delivery speed and reliability. Experienced in implementing DevOps practices aligned with cloud security.

TECHNICAL SKILLS

- **Cloud Services:** Azure
- **DevOps and Automation:** Terraform, Azure Pipeline, Docker, Kubernetes, GitHub Actions
- **Monitoring:** Prometheus, Grafana
- **Languages:** JavaScript, Typescript, SQL
- **Web Development Frameworks:** Angular, Node JS, Express JS
- **Databases:** PostgreSQL

EXPERIENCE

Capgemini Technology Services

July 2022 – Present

Senior DevOps Engineer

Bangalore, India

- Implemented **Terraform** scripts to automate provisioning of resources across all **Azure environments** using **Azure Pipelines** resulting in a 30% reduction in deployment time and improved deployment consistency.
- Managed infrastructure across **Azure resources** using **Terraform**, optimizing resource allocation while ensuring security and compliance.
- Designed and deployed a **Generative AI** solution utilizing **Azure OpenAI** and **Azure AI Search** for efficient data retrieval, while automating deployments and ensuring a **scalable** and **secure** cloud infrastructure.
- Developed an end-to-end **CI/CD pipeline** from scratch for a **Python** project, with deployments automated using **Azure Pipelines** to ensure faster and reliable delivery.
- Deployed and managed **Docker containerized** applications in **Kubernetes clusters** using **Kubectrl** and **YAML** manifests for automated deployments, ensuring **high availability**, **scalability**, and **optimized performance** in production environments.
- Deployed and managed containerized applications in **Kubernetes clusters** using **Kubectrl** and **YAML manifests** for automated deployments. Configured and maintained production-grade environments with **high availability**, **scalability**, and **optimized performance**.
- Automated build, test and deployment workflows for **Azure applications** using **GitHub Actions**, enabling rapid and reliable releases while reducing manual intervention and minimizing deployment errors.
- Implemented real-time **monitoring and alerting** using **Prometheus** and **Grafana**, enhancing system reliability and reducing downtime.
- Worked closely with development and QA teams to improve **build test release** cycles and reduce infrastructure related incidents.

CERTIFICATIONS

- **Microsoft Certified: Azure Administrator Associate.** [link](#) *May 2025*
- **Microsoft Certified: Azure Fundamentals.** [link](#) *Sep 2023*
- **Microsoft Certified: Azure Administrator Associate.** [link](#) *May 2025*
- **AWS Certified Cloud Practitioner.** [link](#) *Oct 2022*

EDUCATION

Bachelor of Technology- Biotechnology

SRM Institute of Science and Technology

CGPA: 8.59/10

Chennai, Tamil Nadu

June 2018 – May 2022

Higher Secondary Education- Science

Vikash Residential School

percentage : 80.6%

Bhubaneswar, Odisha

June 2015 – March 2017