

Sameer A

DevOps Engineer

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👤 PROFILE

Innovative DevOps Engineer with comprehensive training and hands-on experience implementing enterprise-level CI/CD solutions and cloud infrastructure. Demonstrated expertise in reducing deployment times by 40% through automation and establishing robust monitoring systems that achieved 99.9% uptime across production environments. Specialized in architecting scalable AWS cloud solutions and implementing Infrastructure as Code (IaC) practices.

📁 PROFESSIONAL EXPERIENCE

10/2024 – 05/2025 **DevOps Engineer Intern**
At StarAgile

During my intensive 6-Month DevOps Engineering internship, I gained hands-on experience implementing cloud infrastructure and automation solutions while working alongside senior engineers. My responsibilities included developing and maintaining cloud infrastructure, implementing CI/CD pipelines, and supporting the team's DevOps initiatives.

Key Achievements:

- Implemented Infrastructure as Code using Terraform and AWS services (EC2, S3, RDS), reducing environment setup time from 2 hours to 20 minutes while eliminating configuration errors.
- Developed and optimized Docker containers for microservices applications, achieving 40% reduction in image sizes through multi-stage builds and deploying them on Kubernetes clusters.
- Built and maintained Jenkins CI/CD pipelines with automated testing and security scanning, resulting in 35% faster deployment times while maintaining quality standards.
- Created Ansible playbooks for server configuration management, automating software installation and security updates across development and staging environments.
- Established monitoring dashboards using Prometheus and Grafana for tracking system performance, improving team's incident response capabilities.

05/2024 – 06/2024 **Machine Learning Intern**
At Global Core Tech

Completed an intensive 1-Month Machine Learning internship focusing on model optimization and deployment, working directly with the data science team to implement predictive solutions for business challenges.

Key Achievements:

- Optimized classification models through systematic hyperparameter tuning and cross-validation techniques, achieving 25% reduction in training time while improving model accuracy from 82% to 89%.
- Implemented feature engineering pipeline using Python (NumPy, Pandas) and scikit-learn, incorporating domain knowledge to extract meaningful patterns from raw data, resulting in 15% improvement in model performance.
- Developed and deployed a customer churn prediction model using random forests and gradient boosting, helping the business identify at-risk customers with 85% accuracy.
- Collaborated with senior data scientists to streamline the model deployment workflow, reducing the time from development to production by 30%.

EDUCATION

2021 – 2024	Bachelor of Science in Computer Science (B.Sc) Bengaluru North University A.E.S National Degree College <ul style="list-style-type: none">• Graduated with Distinction• Overall CGPA: 8.6 (85.5%)• Overall Marks: 3465/4050	Gauribidanur
07/2021 – 12/2021	Diploma in Computer Application Naveen' Institute of Training (NIT) <ul style="list-style-type: none">• Passout with A Grade	Gauribidanur

SKILLS

Cloud Platform AWS (IAM, EC2, S3, EBS, EFS, Load Balancer, Auto Scaling, VPC, RDS, DynamoDB, Route53)	Programming Languages Python, Bash Scripting CI/CD Tools Jenkins	Version Control Git, GitHub Containerization Technologies Docker
Operating Systems Linux (Ubuntu), Windows	Configuration Management Tools Ansible	Monitoring Tools Prometheus, Grafana
Container Orchestration Tool Kubernetes	Infrastructure as Code (IaC) Terraform	
Project Management Tools Jira, Slack		

PROJECTS

Healthcare Domain

• **Medicure**

Medicure is a super specialty hospital based in New York, USA and provide world class treatment and surgery including Heart, Liver, Kidney transplants and first robotic surgery center. The chain is owned and managed by Global Health Limited.

Challenges Encountered:

- Building Complex Monolithic Application is difficult.
- Manual efforts to test various components/modules of the project.
- Incremental builds are difficult to manage, test and deploy.
- It was not possible to scale up individual modules independently.
- Creation of infrastructure and configure it manually is very time consuming.
- Continuous manual monitoring the application is quite challenging.

Solution:- [GitHub Repository](#). 

Banking & Finance Domain

• **FinanceMe**

FinanceMe is a Global leading Banking and Financial services provider based out of Germany. The company offers products and services like Banking, Funds Management, Loans, Debit Cards and Credits Cards, Investment Banking etc.

Challenges Encountered:

- Developing a complex monolithic application poses significant difficulties.
- Testing various components and modules manually requires considerable effort.
- Managing, testing, and deploying incremental builds is cumbersome.
- Scaling individual modules independently is not feasible.
- Setting up infrastructure and configuring it manually is highly time-consuming.
- Continuously monitoring the application manually presents a major challenge.

Solution:- [GitHub Repository](#). 

Ecommerce Domain

• Cozasote

Cozastore is a globally recognized eCommerce platform based out of the United States. The company offers a wide range of products and services, including fashion apparel, accessories, footwear, home decor, and electronics, providing customers with a seamless online shopping experience.

Challenges Encountered:

- Building and maintaining a complex monolithic application is highly challenging.
- Manually testing different components and modules demands significant effort.
- Handling, validating, and deploying incremental builds is a tedious process.
- Independent scaling of specific modules is not possible.
- Manually setting up and configuring infrastructure consumes a lot of time.
- Continuous manual monitoring of the application is difficult and inefficient.

Solution:- [GitHub Repository](#). 

Hospitality Domain

• LuxuryHotel

LuxuryHotel is a premier global hospitality brand based out of France. The company specializes in providing world-class accommodations, offering services such as luxury room bookings, premium suites, event hosting, fine dining, and personalized guest experiences to ensure a seamless and memorable stay.

Challenges Encountered:

- Developing and managing a sophisticated hotel booking system is highly complex.
- Manually verifying and testing various booking modules requires significant effort.
- Handling, updating, and deploying incremental system changes is a challenging task.
- Scaling individual services, such as room availability or pricing, independently is not feasible.
- Setting up and configuring hotel infrastructure systems manually is time-consuming.
- Continuously monitoring hotel bookings and operations manually is inefficient and demanding.

Solution:- [GitHub Repository](#). 

Multi Tier Architecture Projects

• Three Tier Architecture

WanderLust is a simple MERN-based travel blog website based out of Canada. This project is designed to help individuals contribute to open source, enhance their React skills, and master Git while sharing their travel experiences with a global community.

Challenges Encountered:

- Developing and maintaining a MERN-based travel blog with seamless performance is complex.
- Manually testing various features and components demands significant effort.
- Managing, updating, and deploying incremental changes efficiently is challenging.
- Scaling different modules, such as user posts and comments, independently is not feasible.
- Setting up and configuring infrastructure manually is time-consuming.
- Continuous monitoring of the application and ensuring security compliance manually is difficult.
- Implementing **DevSecOps** practices to integrate security within the development lifecycle adds complexity.
- Adopting **GitOps** for automated and streamlined deployments requires proper setup and expertise.

Solution:- [GitHub Repository](#). 

CERTIFICATES

Certified DevOps Engineer

Successfully Completed the DevOps Engineer Training Program from **StarAgile** and Become a Certified DevOps Engineer.

Certified DevOps Fundamentals

Successfully Completed the DevOps Fundamentals Training Program from **IBM** and Become a Certified DevOps Engineer.

Certified DevOps Bootcamp

Successfully Completed the DevOps Bootcamp Training Program from **TrainWithShubham** and Become a Certified DevOps Engineer.