

# Samskrutha Swamy

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Availability Immediate



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## Summary

Dynamic and results-oriented Senior Cloud & DevOps Engineer with over 10 years of experience in designing, implementing, and optimizing scalable, secure, and resilient infrastructure across automotive, finance, and healthcare sectors. Certified in Kubernetes, AWS, Terraform, and Scrum, with a deep commitment to automation, observability, and DevSecOps. Proven ability to lead cross-functional teams, reduce operational costs, and enhance system performance by leveraging cloud-native technologies and GitOps methodologies tailored for production-grade environments.

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## Core Competences

- Cloud & Platforms: AWS, GCP (Sovereign Cloud), Azure (Fundamentals)
- Containers & Orchestration: Kubernetes (CKA), Helm, Docker, EKS, GKE
- Infrastructure as Code: Terraform (Certified), Ansible
- CI/CD & GitOps: GitLab CI/CD, Jenkins, ArgoCD, FluxCD
- Observability & Monitoring: Prometheus, Grafana, Kube Prometheus-Stack, ELK, Loki, Thanos, New Relic
- Security & DevSecOps: Black Duck, GitLab security scans, IAM, secure pipelines
- Languages: Python, Java, Bash/Shell
- Frameworks & Practices: Agile (Scrum, SAFe), ITIL, SRE, TDD

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## Certifications

- Certified Kubernetes Administrator (CKA) – CNCF – 2024
- Terraform Associate (003) – HashiCorp – 2024
- AWS Certified Cloud Practitioner – Amazon – 2021
- Certified Scrum Product Owner (CSPO) – Scrum Alliance – 2020
- Microsoft Azure Fundamentals – Microsoft – 2020

## Professional Experience

<b>Client</b>	<b>Perfood GmbH, Lübeck, Deutschland</b>
<b>Title</b>	<b>Senior DevOps Engineer</b>
<b>Duration</b>	<b>Aug 2024 – Present</b>

Perfood operates in the digital health space and needed a compliant and secure transition to a sovereign cloud infrastructure to protect patient and health data.

- Spearheaded the migration of legacy infrastructure to GCP Sovereign Cloud, aligning with GDPR requirements and enhancing data security posture.
- Refactored Terraform scripts into reusable modules and incorporated ArgoCD, GitOps workflows to achieve zero-downtime deployments and environment consistency.
- Built and scaled Kube-Prometheus-Stack using Helm, enabling fine-grained alerting and performance dashboards with Grafana.
- Defined custom Grafana alert routes integrated with Slack and PagerDuty for intelligent escalation.
- Enabled a self-service developer platform with GitLab CI/CD templates, drastically reducing onboarding time for new projects.

**Technologies: GCP, GKE, Terraform, ArgoCD, GitLab CI/CD, Helm, Prometheus, Grafana, Loki, Thanos, Teleport**

<b>Employer</b>	<b>Hexad GmbH, Wolfsburg, Deutschland</b>
<b>Clients</b>	<b>Volkswagen AG, CARIAD</b>
<b>Title</b>	<b>Lead DevOps Engineer</b>
<b>Duration</b>	<b>Nov 2019 – June 2024</b>

Hexad collaborated with Volkswagen and CARIAD on automotive SaaS platforms requiring enterprise-scale infrastructure, high-availability, and operational excellence.

- Led a cross-functional DevOps team delivering services to millions of connected vehicles, ensuring 99.99% uptime.
- Architected AWS infrastructure using multi-AZ EKS clusters, NAT gateways, and managed node groups to support highly available, scalable deployments.
- Introduced and maintained GitOps pipelines using ArgoCD and GitLab CI to enable developers to push changes directly to production under policy constraints.
- Created and maintained a centralized observability stack with ELK, New Relic, and custom Grafana dashboards visualizing latency, throughput, and log anomalies.
- Automated vulnerability scanning using Black Duck, integrating security as code into each merge request.
- Led the migration of on-prem data processing workloads to Amazon Redshift Serverless, increasing analytical throughput while lowering monthly costs by 40%.

**Technologies: AWS, EKS, Terraform, GitLab CI, Jenkins, Helm, ELK, New Relic, Ansible, Redshift Serverless, Black Duck**

<b>Employer</b>	<b>HCL Global Systems INC, Farmington Hills Michigan, USA</b>
<b>Clients</b>	<b>Fidelity Investments, Sabre GBLB Inc., USAA</b>
<b>Title</b>	<b>Senior Software Engineer</b>
<b>Duration</b>	<b>OCT 2014 – JUL 2019</b>

Worked on full-stack enterprise application development across banking, travel, and insurance domains.

- Engineered scalable backend modules using Spring MVC and Hibernate, delivering REST APIs that supported millions of transactions.
- Designed responsive UIs in React.js and Redux to streamline user experiences for high-volume financial dashboards.
- Practiced TDD/BDD using Mocha, JUnit, and Cucumber, increasing code coverage and reducing QA cycles by 30%.
- Wrote optimized SQL stored procedures and ad hoc queries for customer data processing and wealth management products.
- Used Agile (SCRUM) for iterative feature delivery with Jira/Rally and Bitbucket-based version control workflows.

**Technologies: Java, Spring, ReactJS, Hibernate, REST APIs, Oracle SQL, Git, Jira, IntelliJ, Mocha, JUnit, Cucumber**

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## **Education**

AUG 2012 – JUN 2014

**Master of Science in Computer Science**

**Western Michigan University, Kalamazoo, Michigan, USA**

JUL 2008 – JUN 2012

**Bachelor of Engineering in Computer Science and Engineering**

**Visvesvaraya Technological University, Belgaum, Karnataka, India**