

Shubhendu Ganguly

DEVOPS ENGINEER · CLOUD SPECIALIST

Leipzig, 04315, Germany

☎ (+49) 1512 9422503 | ✉ shubhendu.ganguly@selfapy.com | 📱 shubhendu1982 | 🌐 shubhendu-ganguly | Indian, Male • German Blue Card (until May 2027)

"Architecting scalable cloud solutions with security-first DevOps principles."

Summary

DevOps Engineer and Cloud Specialist with over 12 years of experience in designing, implementing, and maintaining scalable cloud infrastructure for digital health platforms and fintech solutions. Expertise in cloud architecture, Kubernetes, CI/CD pipelines, and infrastructure automation.

Passionate about integrating DevSecOps practices and a security-first mindset throughout the development lifecycle. Proven track record of architecting hybrid cloud solutions and optimizing infrastructure for high availability, scalability, and performance. Strong foundation in backend development and infrastructure management, with proficiency in Python, TypeScript, and cloud-native technologies.

Committed to fostering a culture of knowledge sharing and mentoring team members on DevOps best practices. Constantly exploring emerging technologies to improve system reliability, security, and efficiency. Adept at working in diverse, agile environments to deliver high-impact technical solutions that drive business growth.

Work Experience

Selfapy GmbH

Leipzig, Germany

DEVOPS ENGINEER

Jan 2023 - Present

- Lead the design, architecture, and maintenance of scalable and secure infrastructure for a certified digital health platform
- Deliver infrastructure-as-code solutions and support backend system development in a cross-functional, agile product team
- Take full ownership of system architecture while aligning technology with clinical effectiveness
- Architect, build, and maintain the core infrastructure powering Selfapy's digital mental health services, with a strong focus on scalability, availability, and security
- Implement Infrastructure-as-Code practices using Helm, Kubernetes, Ansible, and Linux-based tooling for consistent and automated deployments
- Develop clean, well-documented infrastructure code and contribute to backend systems written in Ruby (Hanami) and Crystal
- Provide architectural guidance across the tech team for infrastructure decisions and backend development
- Collaborate with developers and product teams to ensure seamless CI/CD processes and maintain production readiness
- Maintain secure environments by implementing security best practices and addressing common vulnerabilities
- Support the deployment of web and mobile applications, integrating ReactJS (web) and React Native (mobile) frontend technologies
- Participate in cross-functional initiatives to build and scale digital health solutions used by over 40,000 users

Klarna (Stocard)

Remote

SENIOR SOFTWARE ENGINEER

Dec 2022 - Present

- Responsible for Backend & DevOps core topics of the Stocard domain, including the service platform, AWS management, Kubernetes clusters, and CI/CD pipelines
- Worked on infrastructure integration between Klarna and Stocard, as well as infrastructure migration
- Utilized technologies including Kubernetes, EKS, VPC, Transit Gateway, Bash/Shell, AWS IAM, Route53, AWS CDK, AWS ACM, AWS PrivateLink, VPC endpoints, ArgoCD, Helm, AMQP, RabbitMQ, Jenkins, and ECS

German Cancer Research Center

Heidelberg, Germany

CLOUD SPECIALIST/DEVOPS

Jan 2022 - Dec 2022

- Responsible for developing cutting-edge infrastructure for service deployment across multiple data centers
- Designed and implemented scalable solutions utilizing modern cloud frameworks
- Established hybrid cloud environments and enforced comprehensive system security protocols
- Provided ongoing support to developers for continuous delivery and system administrators for cloud-based configurations
- Developed state-of-the-art infrastructure for deploying services across multiple data centers
- Implemented Kubernetes, Service Meshes, and Event Meshes architectures
- Established hybrid cloud solutions encompassing multiple private and public cloud providers, and incorporated edge computing scenarios
- Implemented robust system security measures and conducted thorough penetration testing
- Provided comprehensive support to developers in an agile environment to facilitate software productionization

Hyland Software

CLOUD ARCHITECT/DEVOPS

Kolkata, India

2014 - Jan 2022

- Engaged in strategic planning, collection, and preparation of system requirements and specification documentation
- Provided comprehensive services in system analysis, technical design execution, and architectural document compilation
- Contributed to maintenance, architecture, test automation, development, and release of legacy web verifier (BIC)
- Leveraged ASP.NET, ExtJS, AJAX, C#, SQL Server/Oracle to address evolving needs
- Implemented Jenkins pipelines to fulfill immediate requirements
- Contributed to development of cloud model as SaaS with CI/CD for process optimization
- Facilitated software release management using Jenkins, Docker, Kubernetes, ISTIO, GitHub Actions/Spinnaker/Octo deploy
- Managed AWS infrastructure with Terraform, Ansible, Git, Python, Node.js
- Planned and designed solutions using C#, .NET Core, REST, GraphQL, Microservices, Kafka, MongoDB
- Provided guidance for legacy application Brainware and supported development of new application Hyland HxC

Infosys Technologies

TECHNICAL LEAD

Bhubaneswar, India

2012 - 2014

- Collaborated closely with the team to ensure alignment with coding requirements and project goals
- Spearheaded client demonstrations, effectively showcasing product features and benefits
- Developed modular application using C#, SQL Server 2012, Azure SDK, SignalR, Rabbit MQ, and Quartz

Price Water House Coopers Ltd.

SENIOR CONSULTANT

Kolkata, India

2008 - 2012

- Conducted proactive planning, identification, and execution of troubleshooting procedures
- Developed modules utilizing Visual Studio 2010, Win form, ASP.NET, C#, SQL Server 2008, Crystal Report, Oracle 11g

Wipro Technologies

SENIOR SOFTWARE ENGINEER

Bangalore, India

2008

- Contributed to requirement gathering and system requirement specification documents
- Developed multiple modules utilizing Visual Studio 2010, Win Forms, ASP.NET, C#, and SQL Server 2008

MEC Technologies

SOFTWARE ASSOCIATE

Kolkata, India

2006 - 2007

- Contributed to development of software utilizing C#, ASP.NET, GDI, and SQL Server

Websoft Technologies

SOFTWARE DEVELOPER

Kolkata, India

2005 - 2006

- Developed software solutions using C#, ASP.NET, and SQL Server/Oracle

Languages

- Bengali (Native), Odiya (Fluent), English (Fluent), German (Intermediate)

Technical Skills

DevOps AWS, Kubernetes, Docker, Terraform, Ansible, Jenkins, GitHub Actions, ArgoCD, Helm, Istio

Cloud AWS (EC2, EKS, S3, Lambda, RDS), OpenStack, Hybrid Cloud

Programming Python, TypeScript, Groovy, C#, PowerShell, Bash

Monitoring Datadog, Grafana, Kibana, Prometheus, Kiali

Databases MySQL, MongoDB, Redis, Elasticsearch

Certifications

AWS Certified Solutions Architect – Associate, Amazon Web Services

🔥 Verify

AWS Certified Cloud Practitioner, Amazon Web Services

🔥 Verify

Microsoft Certified: Azure Applications (70-528), Microsoft

AWS EKS Kubernetes Masterclass, Udemy

🔥 Verify

Istio Hands-On for Kubernetes, Udemy

🔥 Verify

AWS Certified Security – Specialty (SCS-C01), Amazon Web Services

🔥 Verify

Design, Deploy, and Manage Secure, Scalable Cloud Infrastructure using Terraform, Kubernetes on

Google Cloud, and AWS, with a Foundation in Data, ML, and AI., Udemy

🔥 Verify

Education

University of Calcutta

Calcutta, India

BACHELOR OF ENGINEERING IN INFORMATION TECHNOLOGY

Month Year - Month Year

- Graduated with Honors