Shubhendu **Ganguly**

DEVOPS ENGINEER · CLOUD SPECIALIST

Leipzig, 04315, Germany

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

Summary

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

Skilled in integrating DevSecOps practices with a security-first approach across the development lifecycle. Proven track record in architecting hybrid cloud solutions with high availability, scalability, and performance. Strong backend development skills, proficient in Python, TypeScript, and cloud-native technologies.

Dedicated to mentoring teams, driving best practices, and fostering knowledge sharing in agile environments. Continuously exploring emerging technologies to enhance system reliability, security, and efficiency.

Work Experience

Selfapy GmbH   *Leipzig, Germany*

DEVOPS ENGINEER   *Jan 2023 – Present*

- **Responsibilities:**
  - Designed secure, scalable infrastructure for a certified digital health platform
  - Delivered IaC solutions and supported backend development in an agile team
  - Took architectural ownership, ensuring performance and compliance
  - Streamlined CI/CD and supported web/mobile deployment with React tech stack

- **Technologies:** Kubernetes, Helm, Ansible, AWS, Docker, Linux, GitHub Actions, Ruby (Hanami), Crystal, ReactJS, React Native

Klarna (Stocard)   *Remote*

SENIOR SOFTWARE ENGINEER   *Dec 2022 – Present*

- **Responsibilities:**
  - Managed backend/DevOps for the Stocard platform
  - Led Kubernetes cluster operations, CI/CD, and AWS infrastructure
  - Drove infrastructure integration/migration between Klarna and Stocard

- **Technologies:** Kubernetes, EKS, AWS CDK, ArgoCD, Helm, Jenkins, RabbitMQ, Bash, ECS, Route53, Transit Gateway, PrivateLink

German Cancer Research Center   *Heidelberg, Germany*

CLOUD SPECIALIST / DEVOPS   *Jan 2022 – Dec 2022*

- **Responsibilities:**
  - Built hybrid cloud architecture across multi-datacenter environments
  - Implemented service and event mesh designs using Kubernetes
  - Led security hardening and supported agile delivery pipelines

- **Technologies:** Kubernetes, CI/CD, Service Mesh, Event Mesh, Edge Computing, Cloud Security, Pen Testing

Hyland Software   *Kolkata, India*

CLOUD ARCHITECT / DEVOPS   *2014 – Jan 2022*

- **Responsibilities:**
  - Led SaaS cloud architecture and CI/CD automation efforts
  - Delivered microservices-based platforms and legacy modernization
  - Defined DevOps strategy, release pipelines, and cloud operations

- **Technologies:** AWS, Kubernetes, Terraform, Ansible, Jenkins, Spinnaker, Octopus, .NET Core, C#, Kafka, GraphQL, MongoDB, Node.js, Python

Infosys Technologies   *Bhubaneswar, India*

TECHNICAL LEAD   *2012 – 2014*

- **Responsibilities:**
  - Led modular app development and client demos
  - Ensured code quality, architecture compliance, and release readiness

- **Technologies:** C#, SQL Server, Azure SDK, SignalR, RabbitMQ, Quartz

PwC India   *Kolkata, India*

SENIOR CONSULTANT   *2008 – 2012*

- **Responsibilities:**
    - Delivered enterprise app modules and data-driven dashboards
    - Handled troubleshooting and client issue resolution

- **Technologies:** ASP.NET, C#, WinForms, SQL Server, Oracle 11g, Crystal Reports

Wipro Technologies   *Bangalore, India*

SENIOR SOFTWARE ENGINEER   *2008*

- **Responsibilities:**
    - Gathered requirements and built enterprise app modules

- **Technologies:** ASP.NET, C#, WinForms, SQL Server

IBM India Private Limited   *India*

APPLICATION DEVELOPER   *Aug 2007 – Jul 2008*

- **Responsibilities:**
    - Developed SAP ABAP components and .NET-based applications
    - Led UAT deployments and supported on-site user testing

- **Technologies:** SAP ABAP, ASP.NET, C#, SQL Server 2000

MEC Technologies   *Kolkata, India*

SOFTWARE ASSOCIATE   *2006 – 2007*

- **Responsibilities:**
    - Built business apps and reporting modules

- **Technologies:** C#, ASP.NET, GDI, SQL Server

Websoft Technologies   *Kolkata, India*

SOFTWARE DEVELOPER   *2005 – 2006*

- **Responsibilities:**
    - Developed custom business applications and database components

- **Technologies:** C#, ASP.NET, SQL Server, Oracle

Languages

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

Technical Skills

DevOps & Cloud	AWS (EC2, EKS, Lambda, RDS, VPC, IAM, Route53), Kubernetes, Docker, Terraform, Ansible, Helm, Jenkins, GitHub Actions, ArgoCD, Spinnaker, Octopus, OpenStack, Hybrid/Edge Cloud
Programming & Scripting	Python, TypeScript, C#, Bash, PowerShell, Groovy, Ruby, Crystal, Node.js
Monitoring & Security	Prometheus, Grafana, Datadog, Kibana, Kiali, CloudWatch, TLS/SSL, IAM, Secrets Management, Pen Testing
Databases & Messaging	PostgreSQL, MySQL, MongoDB, Redis, Elasticsearch, SQL Server, Oracle, RabbitMQ, Kafka
Frameworks & Tools	REST, GraphQL, Microservices, SAP ABAP, ReactJS, React Native, ExtJS, GDI, Crystal Reports, Git

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   *Verify*

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