Curriculum Vitae

Name	Abhik Ghosh
Function	Solution Architect
Main Focus	Specification und development of Cloud native applications, Platform engineer, Database, and information systems

Education and Employment

Since 10/2021	Capgemini
08/2020 – 09/2021	Research Associate at University Augsburg, Germany
06/2018 – 04/2020	Software developer at RWTH Aachen, E.ON Energy Research Center
10/2014 – 06/2017	Electrical Engineering and Information Technology at Otto-von-Guericke-University, Magdeburg (Germany) Degree: M.Sc. Focus: Databases, Efficient algorithms, Energy and Automation & Control subjects, Simulation
09/2010 – 08/2014	System Engineer at JSW Energy Ltd., India
05/2005 – 05/2009	Electrical and Electronics Engineering at Visveswaraya Technological University, Belgaum (India), Degree: B.Sc. Focus: Databases, Efficient algorithms, Automation, Electronics

Computer Science Knowledge

Methods	OOP, UML
Operating Systems	Windows, Linux

Programming Languages	Python {2}, Java {2}, C/ C++ {1}, Java script, Yaml
Database Systems	MS SQL {1}, Postgres {2}, no SQL, influxdB, mangodB {2}, CrateDB
Tools	VS Code, Gitlab, GitHub, Docker, Ansible, CI/CD, Kubernetes, AWS, Azure, Openstack, Rancher, Helm chart, Terraform

Professional Experience

12/21- Today

Setup & development of a Kubernetes platform at German Public .

Responsible for:

- Operational support and development of platform components such as Harbor, Gitea, Fleet, Minio, Grafana, Prometheus, Longhorn, Trivy.

- BSI standards and security of the infrastructure

- Automation of deployments (IaC) using the automation technologies Ansible, Terraform, Gitlab CI/CD, Fleet, Bitbucket.

- Increase stability by introducing quality criteria and backup.

- Supporting operations: monitoring the entire platform and actively intervening in the event of errors or alarms.

- Operation of the platform and active contact with customers; support with customer enquiries and troubleshooting on the platform.

Skills: Rancher, Kubernetes, Podman Harbor, Gitea, Gitlab CI/CD, Terraform, Fleet, Linux, DevOps, IaC

08/2020 – 09/2021

DIFUTURE-Data Integration for Future Medicine

ETL process and Data Management. Worked in MeDIZ (Data Integration Center in Hospital) to digitalise all process related to data. Development of ETL pipeline, data security, data pseudonymization and make available data for further research.

Project Environment: UML, Docker, REST API, Spring Cloud, Apache, Tomcat, MS Windows NT/XP, Linux, Keycloak

Used Skills: Java, Ansible, Docker, Python

05/2018 – 04/2020	**National 5G Energy Hub**

Development of Internet of Things (IoT) to optimize energy system in Buildings and connect it to the IoT platform (IoT gateway or cloud platform based microservices based architecture) via the 5G network.

Project Environment: UML, Docker, REST API, Linux, Django

Used Skills: Java, Ansible, Docker, Python, MQTT, JSON, HTTPS

Languages

Bengali	Mother tongue
English	Business fluent
German	Business fluent
Hindi	Business fluent

Certificates

08/23	Certified Kubernetes Administrator (CKA)
02/22	AWS Certified Solutions Architect - Associate
07/22	Terraform Associate
11/21	AWS Certified Cloud Practitioner
11/21	AZ-900 : Microsoft Azure Fundamentals