Syed Faizan Khursheed

DevOps and Cloud Engineer

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LinkIn

Date of birth

14.04.1995

Skills

Devops(Jenkins and Azure Devops)

Containerization (kubernetes and Docker)

cloud Engineer(Azure and GCP Services)

Ms Azure , GCP and AWS

Java

python app development

cloud Architecture

MYSQL/TSQL/MONGODB

web development

Backend Development (java and phyton)

Terraform and Ansible

GitLab , Jenkin

migrating Azure infrastructures

Linux and Windows

Machine Learning Model(Basic knowledge))

Advanced Communication Skills

Analysis, problem-solving and planning

Grafana, OPA

Professional Experienced

Company: Axxessio GMBH ,Bonn ,Germany

10/2021 Until 03/2024

- I worked as a Software Developer (Cloud and Devops engineer), I have worked in different projects. The internal project and external project are both included. Motivated and experienced Devops Engineer with 2.5 years of experience developing new and innovative design processes, helping companies to meet and exceed projected expectations.
- "**As a Devops Engineer**" Implemented and managed CI/CD pipelines using Jenkins, Azure Devops to streamline the software development lifecycle.
- "Automated infrastructure provisioning and configuration management using Terraform And Ansible."
- "Monitored and optimized application performance using tools such as Prometheus, Grafana."
- "Implemented containerization and orchestration solutions using Docker and Kubernetes, enhancing application scalability and resilience."
- "Conducted regular security assessments and vulnerability scans to ensure compliance with industry standards and best practices."
- "Proficient in scripting languages such as Python and PowerShell for automation and process improvement."
- "Maintained and optimized databases, ensuring high performance and reliability using tools like MySQL, PostgreSQL, and MongoDB.
- **"As Cloud Engineer(Used Different Services In Azure And GCP)"-** Deployment and management of a hybrid cloud infrastructure using Microsoft Azure and Google Cloud Platform (GCP) to enhance scalability, performance, and cost-efficiency for a global enterprise.
- Optimized cloud spending by analyzing usage patterns and implementing cost-saving measures such as reserved instances, right-sizing, and resource tagging.
- Developed dashboards and reports to provide visibility into cloud expenses, helping stakeholders make informed decisions.
- Created detailed documentation for cloud architecture, deployment processes, and best practices to ensure knowledge transfer and consistency.

(02/2018-07/2019)

Firma : PICT

Languages

English

German

- Developed and implemented a secure, scalable management system leading to a 15% increase in data retrieval efficiency for company providers utilizing Java, Spring Boot, and Angular
- *The environment IntelliJ was used , and experienced in Java front-end through the Angular.*
- *management ideals by facilitating practices such as front-end based tool stacks like Bootstrap,*
- *Managing project schedules and communicating with management and Team to ensure satisfaction with project progress and testing tool in Java.*
- *Work in various other applications that depend on Java,customer demand of excellence from strategy to implementation and managed services.*
- Architected and implemented a new authentication module utilizing OAuth 2.0, resulting in a 30% reduction in unauthorized access attempts and enhancing overall system security.
- Maintained high-availability web service, with an uptime of 99.99%, providing consistent access for users
- Revamped website aesthetics that resulted in a 35% increase in user engagement.
- Spearheaded the migration from AngularJS to Angular 10 for a suite of enterprise-level applications, increasing application stability and scaling capability by 40%.
- Boosted data retrieval speeds by 30% by optimizing database queries.

Education

Master in IT, Frankfurt University of applied science, Frankfurt am Main

October 2019 — September 2022

I completed several projects when I was studying computer science. Many projects were completed with the help of professors.

Cloud Project

Category Encoder, cloud services Research Report, Docker Image and deploy,Scaleribility of cloud services.

Machine Learning Project

Image Classification Project , sound signal classification ,Research Machine learning algorithm and Data Extraction through ML algorithm.

Bachelor of electronic Engineering(Computer science and Electronic), Bahria University, Karachi

September 2014 — August 2018

I completed several projects when I was studying in electronics and computer science. Many projects (cloud technology and IOT) were completed by professors. The project topic was just research on machine learning.

PROJECTS

Devops Engineer, Axxessio GMBH, Darmstadt

February 2021 — March 2024

Techner Application for Axxessio:

- The main objective of this project is to extract the required data as per requirement of the client by using Machine Learning Method.The various technology employees are working in the company to help this tool.
- **Designed and Implemented CI/CD Pipelines**: Developed and maintained robust CI/CD pipelines using Jenkins, resulting in a reduction in deployment times and enhanced code quality.
- **Automated Infrastructure Management**: Utilized Terraform to automate infrastructure provisioning, scaling, and management on Azure, leading to a 25% reduction in manual intervention and setup time.
- **Containerization and Orchestration**: Deployed and managed containerized applications using Docker and Kubernetes, improving scalability and resource utilization.
- **Configuration Management**: Ansible to automate configuration management and application deployment across multiple environments, ensuring consistency and reducing configuration drift.
- **Monitoring and Logging**: Set up comprehensive monitoring and alerting systems using Prometheus and Grafana, and centralized logging with stack, enhancing system observability and reducing downtime by 20%.
- **Security and Compliance**: Implemented security best practices and compliance checks within the CI/CD pipeline, including automated security scans and vulnerability assessments, improving overall security posture.

Cloud Ingenieur, Axxessio GMBH

July 2022 — January 2023

Garbe Investor Application:

- Implementation of a cloud-based workflow to calculate the top 10 tenant list of properties in a portfolio based on data from an external API and another data source. This implementation was used to evaluate the Azure and GCP cloud environments with regard to the application purpose of aggregating and analysing data from different sources. Conception and implementation of the PoC in GCP. Research on the differences between MS Azure and GCP.
- Data aggregation and evaluation Experience with serverless architectures and container technologies such as Kubernetes
- Implementation and container solutions and development, deployment and maintenance of hybrid cloud platforms and services.participation in the architecture , design of cloud solutions.
- Developed a hybrid cloud infrastructure that allowed for secure data transfer between on-premise and cloud-based systems
- Configured and deployed servers to support a new cloud-based application, resulting in improved scalability and performance
- Developed data pipelines in cloud-native environments such as, Azure, and Google Cloud Platform.

- Utilized cloud computing technologies to reduce overall infrastructure costs by effect.
- Developed a cloud-based application that is highly available and fault tolerant
- Led the deployment and management of a hybrid cloud infrastructure using Microsoft Azure and Google Cloud Platform (GCP) to enhance scalability, performance, and cost-efficiency for a global enterprise.
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software Developer, Axxessio GMBH

October 2021 — March 2022

I already have professional experience in Application Developer and Kubernetes Deployment.Spearheaded the creation of a 25-node Kubernetes cluster that improved deployment efficiency by 55% and significantly reduced downtime.

- Guided the transitioning of six high-profile clients to a Kubernetes-based platform, with resultant cost savings of 35% through efficient resource utilization.
- Devised a Kubernetes-based microservices infrastructure that reduced system complexity and increased availability.
- Managed the orchestration and automation of multitudes of containerized applications using Kubernetes, enhancing system robustness and elasticity.
- Developed a hybrid cloud infrastructure that allowed for secure data transfer between on-premise and cloud-based systems
- Configured and deployed servers to support a new cloud-based application, resulting in improved scalability and performance
- Developed a cloud-based storage and backup solution that improved storage capacity and reduced costs by effect.
- Developed a cloud-based storage and backup solution that improved storage capacity and reduced costs by azure services

Cloud Automation and Machine Learning, Axxessio GMBH

April 2022 — October 2022

The classifcation Of Birds Song;

Creating a web app to predict birds using machine learning and implementing a tiny device called TinyML Technology. In this project we used a machine learning algorithm. First captured the voice and converted the voice signal into a spectrogram image and this image moves in the model for training and prediction of required birds. Machine learning algorithm used in this project. I am working in development of the IaaC stack with automation tools like Terraform.

- Created a machine learning model to analyze customer data and predict future trends and behaviors
- Authored several research papers on a variety of topics, including artificial intelligence and machine learning
- Developed a machine learning model that accurately predicted application usage patterns and trends
- Used machine learning algorithms to identify and classify large datasets, resulting in actionable insights for business stakeholders
- Constructed meaningful lesson plans that integrate different learning styles and engage students in creative and active learning

- Designed and implemented a predictive model that accurately forecasts customer churn with different framework accuracy using machine learning.
- Designed and implemented a predictive model that accurately forecasts customer churn with model accuracy using machine learning
- Developed an automated machine learning pipeline that enabled faster model training and deployment.

Software Engineer

January 2018 — August 2019

Java developer

Architected and implemented a scalable microservices infrastructure for the new marketplace, increasing system efficiency by 40% and reducing server costs.

Led the transformation of monolithic applications into microservices architecture using Spring Boot And Angular, improving scalability and performance by 30%.

- Developed and enhanced dynamic web applications using MVC framework, increasing web traffic by 20%.
- Collaborated with the team in the development of enterprise-grade software applications using Java, which resulted in software efficiency improvement by over 15%.
- Adhered to best practice in coding standards, producing quality code and contributing to shared codebase.
- Optimized database queries, reducing server load by nearly 15% and boosting overall application performance.
- Refactored legacy code to improve readability and maintainability
- Optimized database performance by creating and tuning stored procedures and SQL queries
- Developed a web application using Java EE technologies, including JSP, Servlets, and JDBC.
- Managed a database of customer data consisting of more than 10K records, ensuring accuracy and privacy.
- Implemented a RESTful API that enabled third-party developers to integrate with the system with minimal effort
- Developed an enterprise application using EJB components and implemented a secure authentication system

GCP (GCP Digital Leader), frankfurt am main

January 2023

JAVA DEVELOPER

December 2020 — March 2021

PYTHON PROGRAMMING LANGUAGE

March 2022

KUBERNETES

December 2023 — January 2024