Ahtasham Ul Hassan

Software Engineer

An independent and organized individual with an innovative mindset and a strong foundation in software engineering. Eight months of experience with DevOps I am looking to begin a career as an entry-level professional with a reputed company to strengthen my skills and grasp best practices.

EDUCATION

Master of Science in International Software System
September 2021 – Present

Otto Friedrich Universität Bamberg

- **Relevant coursework:** Distributed systems middleware & architecture, Service-oriented architecture. Advance data management, Introduction to distributed systems, and Machine learning.
- **Final year project:** n ways to deploy a web application on the cloud:
    - IaaS: Deployment with the azure virtual machine and deployment with azure containers.
    - IaaS: Formation with Kubernetes engine.
    - PaaS: Implementation with Microsoft app services.
- **Expected Graduation:** 09/2023

Bachelor of Science in Computer Science
February 2014 – February 2018

Comsats University, Islamabad

- **Relevant coursework:** Object-oriented programming, Data structure & algorithms, Networks & communications, Scripting Language, Web engineering, Artificial intelligence, and Distributed database systems.
- **Final year assignment:** Convoy security using autonomous quadcopters:
    - Android application uses OpenCV 3.4 to make a bounded box around an object.
    - Track the object with cam shift, an extended version of mean Shift, which provides better performance by a significant margin.
    - MVC as the software architecture pattern, retrofit 2.4 for handling the http requests.
    - Data is kept in SQL. However, rds for database, ec2 for server, and s3 for videos are cloud instances.

WORK EXPERIENCE

Associate Software Engineer (DevOps)
September 2021 – August 2022

Devstop, Islamabad (Remote)

- Validated highly available and real-time systems for different clients around the world.
- Improved 2 major projects by collaborating with a cross-functional team and maintaining web-based applications.
- Implement amazon web service, including RDS, EC2, S3, IAM, Cloud Watch, Beanstalk, ACM, etc.
- Develop pipelines with Jenkins that automate the build and deployment process, lessens human error by 100 percent, and fastens the production process.
- Proficient in Linux (Ubuntu 18 LTS) provides freedom compared to windows.

SEMESTER PROJECTS

- **Lift & Shift with GCP:** Ongoing project, an application that was on-premises, now shifted to the Google Cloud platform.
- **Jenkins CI/CD Pipeline:** Setting up a pipeline on Jenkins 2.3, fetching the code from GitHub and analyzing by SonarQube, made the docker image. Running ECR services by uploading it on ECR. In case of failure, slack sent the failure notification.
- **Multi-Tier Java Web Application**: Setup a web application on AWS cloud, setting up its security groups and ELB. Apache Tomcat on EC2 instance, and its security group and auto-scaling group. ACM for managing SSL certificates and finally used S3 bucket to store application artifacts.
- **Bottle Shop**: a spring boot app that helps in managing the bottles of a drink shop, stored data in h2, and thyme leaf as a template engine.
- **Twitter Sentiment Analysis**: This app fetches the first 100 tweets of a specified user and performs sentiment analysis based on specific keywords.

CONTACT

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SKILLS

- Python
- Java EE (Spring Boot)
- Docker
- Jenkins
- GitLab
- Bash Scripting
- SQL
- MongoDB
- Linux (Ubuntu)
- AWS console management
- Microservices
- Maven
- Git
- Microsoft teams
- Confluence

Certifications

- Docker Training course for Absolute Beginners – KodeCloud (completed)
- DevOps Beginner to Advance: Decoding DevOps with Projects - Udemy (ongoing)
- Complete Linux Training Course to Get Your Dream IT Job 2022 - Udemy (continued)

LANGUAGES

- English (C1)
- German (A1-A2)

INTEREST

- Table Tennis
- Cricket
- Swimming
- Gym
- Cycling