Mustafizur Rahman
Cloud Enthusiast

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Personal Website

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EDUCATION

•**Digital Media M.Sc.(Media Informatics)**	*Oct. 2021 - Today*
Universität Bremen	Grade average 1.56

EXPERIENCE

•**AWS Cloud Solution Architect Intern**   *Aug. 2023 - Today*

Azzda Technology Solution, Finland   Online
  – Proficient in AWS cloud computing services like EC2, S3, RDS, Lambda, IAM, VPC, etc., with expertise in designing fault-tolerant, highly available, and scalable solutions, and hands-on experience in cloud infrastructure provisioning, monitoring, and automation for security, performance, and cost optimization.

•**Student Research Assistant**   *June 2021 - Today*

BIBA–Bremer Institut für Produktion und Logistik GmbH
  – Emphasis on component recognition and Point Cloud-CAD model alignment, with testing of tools like Cloud Compare and CANUPO plugin.
  – Utilized Nextcloud and Camunda for streamlined project management and collaboration.

PROJECTS

•**Container, Kubernetes and OpenShift Essentials V2**

Experienced in Docker and Containerization via IBM Cloud Container Registry, including Guestbook Application deployment.
  – Designed and Deployed a Guestbook App.Demonstrated Docker Proficiency.
  – Implemented Horizontal Pod Autoscaling and versioning. Orchestrated Deployment Strategies. Managed Docker Registry Operations.

•**Terraform: Automate Provisioning of AWS EC2 Instances**

This project involves automating infrastructure by specifying preferences and using Terraform scripts to provision AWS EC2 servers.
  – Understand Terraform Lifecycle, Strong grasp of Core Terraform Concepts and proficiency in reviewing Terraform Scripts
  – Skilled in navigating AWS Accounts and obtaining IAM Credentials.Running Terraform to provision EC2 Instances

•**AWS S3 Mastery**

Leveraging Cloud Storage for Data Management and Web Hosting.
  – Established an S3 bucket as the project's foundation for object storage on AWS, followed by proficient content uploads and access permission management in the AWS S3 environment.

•**Kubernetes and AWS: A Hands-On EKS Experience**

Mastering AWS and Kubernetes: Launch with Hands-On EKS Experience
  – Established and managed a Kubernetes environment on AWS, including the deployment of applications on an Amazon EKS cluster while mastering essential AWS services like IAM, EC2, and VPC integration.

•**Creabots**

Virtual environments are employed to investigate affordances using reinforcement learning.
  – Virtual Reality (VR) and OptiTrack technology were used to investigate affordances.
  – Reinforcement learning was employed to study and improve affordance understanding in virtual environments.

TECHNICAL SKILLS AND INTERESTS

Languages: Python, Go, Processing
Cloud Service: Amazon Web Services (AWS), IBM Cloud
Project Management Tools : Asana,Camunda, NextCloud
Container Orchestration:Kubernetes, OpenShift,AWS EC2 Container Service(ECS), AWS Elastic Kubernetes Service(EKS)
Cloud/Databases: MongoDb, Relational Database(mySql)
Cyber Security Tools: Nmap, Metasploit, Penetration Testing (Wappalyzer)
Web Development : HTML, CSS, JavaScript, VScode,Git,Github
Design and Interface Tools: 3D modeling: Blender,CAD, CloudCompare, Inventor. UI/UX: AdobeXD,Figma,Draw.IO
Soft Skills: Problem-Solving, Teamwork, Time Management, Self-learning, Presentation, Adaptability, Attention to Detail, Continuous Learning.

Areas of Interest: Cloud computing, cybersecurity and HCI

LANGUAGE EFFICIENCY

•**Deutsch**	*Business fluent*
•**English**	*Business fluent*