

MUHAMMAD SANNAN

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OBJECTIVE Seeking a challenging career with a progressive organization that provides me an opportunity to utilize and enhance my experience and potential in the field of DevOps and Cloud

WORK

EXPERIENCE **DevOps Engineer, Tkxel** June 2022 – Present

- Establish DevOps best practices and collaborate with other engineers, system administrators and architects to constantly improve our development/integration/testing/deployment workflow
- Perform CICD using Jenkins, Azure DevOps, Gitlab CI, Github Actions and Fastlane for both Web and Mobile applications (android and IOS)
- Well versed with logging, monitoring, alerting using Datadog
- SonarQube implementation across all projects across organization for continuous inspection of code quality before deployment.
- Experience in containerizing the existing application using Docker and docker-compose.
- Setup/Manage WebServers on Linux (Nginx/Apache/IIS)
- Working on AWS services (EC2, S3, RDS, EKS, ECR, EBS, EFS, RouteS3, ELB, Auto Scaling, ECS, Lambda, SNS, SQS, Cloud Watch, IAM, Codepipeline, Secrets Manager)
- Scripting — Bash, Python, PowerShell

Tools:

Azure, AWS, Docker, Kubernetes, Bash, Gitlab-CI, Jenkins, Sonarqube, Prometheus, CI/CD, Fastlane, Automation & Scripting, MySQL, PostgreSQL, Ngnix, Apache, Redis, Postman, Linux, Git.

Junior DevOps Engineer, Contour Software Jul. 2020 – May. 2022

As a subsidiary of CSI, Contour Software serves as a dedicated Global Centre, currently housing employees, and teams for more than 150 Divisional and Corporate departments. Contour employees are key players in implementing, supporting, extending, enhancing, and renewing enterprise systems that run thousands of medium and large businesses, as well as public institutions, globally.

Responsibilities:

- Implemented CI/CD pipelines using Jenkins and Octopus Deploy
- Integrated Cypress with Jenkins to run E2E testing
- Implemented monitoring using Prometheus and Grafana for monitoring of servers
- Implemented Backup, Versioning and Rollback mechanism for builds
- Wrote Automation scripts for deployment and configuration of web-based applications on IIS
- Server configuration using PowerShell scripting
- Used Git for source code management
- Ensuring Application security
- Troubleshooting of application Error Logs
- Knowledge of Docker (Compose, swarm, stack) & Kubernetes

Research internee, National Centre of Big Data and Cloud Computing (NCBC) Jun. 2018 – May. 2019

Responsibilities:

The Higher Education commission funded research lab focuses on applied research in the field of Data Analytics and Cloud Computing

My work as internee revolved around:

- Multimedia streaming on Amazon Web Services
- Perform Traffic characterization and analytics on Camlytic

EDUCATION September 2015 – August 2019
Bachelor of Science – Computer Systems Engineering,
University of Engineering and Technology (CGPA: 3.29)
September 2013 – August 2015
A' levels, Pre-Engineering, Edwardes College
September 2010 – August 2013
O' levels, Sciences, Edwardes School

Relevant Projects

UAV Based Remote Sensing System (HEC Funded Final Year Project) July 2018 – Apr 2019

UAV (Unmanned Aerial Vehicle) plays an important role in various applications, particularly for monitoring and surveillance of areas. We have used UAV for Intelligent Transportation System, in urban areas to determine traffic pattern over a section, via video streaming with the use of Raspberry Pi to **cloud (Amazon Web Services)** and performing data analytics on it using Camlytics.

Face Recognition in Amazon Web Services using Raspberry pi Nov 2018 – Jan 2019

Developed this project as part of my *Cloud Computing* course. Raspberry Pi 3b was used to live stream video to Amazon Web Services using AWS service *Kinesis* and match face of the people in video with the faces stored in S3 bucket using *Rekognition* service and return the result of similarity and other face features like age and gender on the terminal.

Blood Donation App May 2018 – July 2018

Developed this project as part of my *Database Management System* course. This application was developed for the welfare of the society, in which a person will register himself and could become a donor or recipient depending on the person's needs. Functionality added in app were sending requests to donor, donor accepting or rejecting the request, setting an appointment with recipient, searching donors on the basis of blood required and nearby location.

Tool used: Android Studio

Airline Reservation System May 2016 – June 2016

Developed this project as part of my *computer programming* course. We developed a program in which we created all the main functionalities of an Airline system like user database, booking, seating arrangement of passenger in plane, ticket generation and cancellation of a ticket.

Tool used: CodeBlocks and C++

Skills

Programming: C, C++, C#, OOP, MySQL

Soft Skills: Relationship builder & Team player

Volunteer Work

Google Business Group - Core Team Member Oct 2018 – Sep 2019

As a GBG Core Team Member I was responsible for building a community of techpreneurs and fostering the use of Internet tools and technology for business growth. Organizer:

- BizFest'18
- WomenWill Circle
- Workshops

Computer Society – Executive Team Member Oct 2016 – Jun 2019

Leading Computer society and its members towards building a professional and learning environment for growth and community building. Arranged various seminars and workshops both technical and social for the student community.