

Murtuza Vadharia

Software Development Engineer

Experienced developer with almost 4 years of expertise in building robust code and delivering efficient software solutions. With proficiency in Java SpringBoot, Python, Angular, Apache Kafka, various monitoring and security tools and proficient in CI/CD activities and IAC projects.

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WORK EXPERIENCE

Software Engineer Optum Global Solutions

07/2020 - Present

Hyderabad, India

Achievements

- Developed high-performant Spring Boot microservices aligning with business requirements for APIs, backend scheduled jobs, enhancing product functionality.
- Innovated user interface by engineering custom Angular modules, significantly enhancing user experience.
- Standardized Jenkins pipeline & Github Action Workflows for seamless CI/CD, streamlining deployments across environments.
- Implemented Kafka producers and consumers for real-time data streaming between microservices, improving efficiency by 60%.
- Integrated robust security measures into SDLC by implementing automated vulnerability scanning tools; detected and remediated 50+ security issues.
- Improved monitoring capabilities by integrating Azure AppInsights, Grafana, and Prometheus, reducing time for issue detection and remediation.
- Optimized data management time by 60% with Kafka Connect, and Azure Data Factory(ADF) for efficient data syncs across tables, databases using Change Data Capture in cloud as well as on-prem.
- Led Infrastructure as Code(IAC) projects using Terraform for provisioning various resources like AppService, Azure Kubernetes Service(AKS), KeyVault, Azure SQL Managed Instance, Network Security Groups, subnets etc.
- Executed the deployment of Camunda 8 on Azure Kubernetes Service, implementing secure ingress and stringent authorization controls to enable users create business process management automated flows.
- Collaborated with cross-functional teams, delivering high-quality solutions and exceeding customer expectations, by implementing api-service, backend-job-service, monitoring-services etc.

Project Trainee Intern Physical Research Laboratory

01/2020 - 06/2020

Ahmedabad, India

Achievements/Tasks

- Developed a Python Tkinter desktop application for the specialized field of astronomical data analysis, enabling users to perform data reduction, advanced image processing and visualization of data through intuitive GUI using matplotlib.
- Engaged in collaborative development environment with project guides, contributing to extensive debugging and enhancement of open-source libraries.

Contact : - Dr. Vishal Joshi, Research Scientist

EDUCATION

B. Tech Computer Engineering Institute of Technology Nirma University

2016 - 2020

Ahmedabad, India

Courses

- PPI: 8.1

Minor Degree -Information Security Institute of Technology Nirma University

2018 - 2020

Courses

- Information Security

SKILLS

Data Structure & Algorithm

Java

Spring Boot

Reactive Programming

REST API

DBMS

SQL

Git

Maven

Docker

Shell Script

Angular

Scrum/Agile

Kafka

Liquibase

Azure

Kubernetes

Terraform

Helm

Groovy

ACHIEVEMENTS

Organized a 36 Hour hackathon under CSI as Technical head.

PERSONAL PROJECTS

Leave Management System (08/2018 - 12/2018)

- Using Java Servlets and Java Server Pages.
- Implemented system for employee to request a leaves and Admins can grant the requests based on certain validation.

Table Reservation System (12/2023 - 01/2024)

- Backend: Java spring boot and PostGres.
- FrontEnd: React.
- Implemented table reservation system, where customer can request for reservation and table allocation happens after the manager confirms the reservation.

Sign Language Detection (02/2019 - 04/2019)

- Compared two methods of classification handsign using image processing in CNN Convolutional Neural Network and SVM using feature extraction tool.

CERTIFICATES

Design and analysis of algorithms, NPTEL Course (10/2016 - 02/2017)

AZ 900 Microsoft Azure Fundamentals (06/2021 - 08/2021)

FullStack Engineer Journey, Optum Global Solutions (11/2020 - 02/2021)

ORGANIZATIONS

Computer Society of India(CSI)
Technical Head