

Murtuza Vadharia

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EDUCATION

Institute of Technology Nirma University

Bachelor of Computer Engineering, Minor in Information Security

Ahmedabad, Gujarat

Aug. 2016 – May 2020

Prime Science School

12th HSC Board

Jamnagar, Gujarat

Aug. 2014 – May 2018

EXPERIENCE

Software Engineer

Optum Global Solutions

Aug 2020 – Present

Hyderabad, Telangana

- 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.
- 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.
- 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 and executed Disaster Recovery plans.
- 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

Jan 2020 – Jul 2020

Ahmedabad, Gujarat

- 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.
- Engaged in collaborative development environment with project guides, contributing to extensive debugging and enhancement of open-source libraries.

PROJECTS

Leave Management System | *Java Servlets, Server Pages, Swift, PostgreSQL, Docker*

Aug 2018 – Dec 2022

- 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 | *React, Java Spring Boot, Maven, Git*

Dec 2023 – Jan 2024

- Implemented table reservation system, where customer can request for reservation and table allocation happens after the manager confirms the reservation.

Cloud Support Automation Portal | *Python FastAPI, Python AZURE SDK, Angular*

Aug 2024 – Present

- Developed a cloud automation platform for AKS, and Azure upgrades, security patches, and support requests.
- Designed dashboards to monitor API performance, pod statuses, and cloud resources, leveraging Azure SDK for data collection and presenting user-friendly insights.

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript, HTML/CSS, Bash, Groovy, KQL

Frameworks: Angular, Java Spring Boot, JUnit, Python FastAPI, Flask

Developer Tools: Git, Docker, Maven, Shell Script, Kubernetes(kubect1), Helm, Terraform, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Libraries: Apache Kafka, Liquibase, NumPy, Matplotlib