

RUTVIJ MAVANI

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PROFESSIONAL EXPERIENCE

Software Developer

March 2023 – Jan 2025

Celerant Technology

Iselin, NJ

- Architected and implemented microservices based architecture using Kubernetes and Docker, resulting in a 40% improvement in system scalability and a 30% reduction in deployment time.
- Implemented robust error handling and logging systems, improving issue resolution time by 40% and enhancing system reliability by 20%.
- Implemented a CI/CD pipeline using Jenkins and GitLab, improving code quality by 35%.
- Optimized database queries for a critical reporting module, reducing report generation time by 60% and improving system responsiveness.

Programmer and Technical Assistant

June 2021 – Dec 2022

New Jersey Institute of Technology

Newark, NJ

- Assisted in major installations and setup within the University's Data Center, optimizing system performance.
- Troubleshoot and upgraded the department's website, improving user experience and functionality.
- Managed various programming tasks and user-related operations in a Linux environment, enhancing system reliability.

Full Stack Software Developer

Sep 2019 – Dec 2020

Tatvasoft Pvt Ltd

Ahmedabad, India

- Refactored legacy codebase to modern JavaScript frameworks (React and Node.js), resulting in a 30% increase in application performance and a 25% reduction in bug reports.
- Designed and implemented RESTful APIs and integrated with databases such as MySQL and MongoDB, ensuring optimized data retrieval and storage.
- Optimized front-end code adhered to RWD principles and maintained collaboration with back-end team ensuring seamless integration with AEM workflows and third party APIs.
- Utilized Git for version control and CRXDE to manage AEM components for continuous integration, improving deployment efficiency and ensuring code quality.

Software Developer Intern

Jan 2019 – Aug 2019

Silverwing Technologies

Ahmedabad, India

- Developed a plugin for the company's main product using Java and Spring Framework, adding functionality that increased user productivity by 25%.
- Assisted in the migration of on-premise system to AWS cloud infrastructure, contributing to a 30% reduction in operational cost and a 40% improvement in system uptime.
- Optimized database queries and implemented caching mechanisms, reducing average API response time by 45% and improving overall system performance by 30%.

TECHNICAL SKILLS

Programming Languages: Python, Java, C, C++, JavaScript, R

Databases: MySQL, MSSQL, PostgreSQL, NoSQL, Mongo DB

Web Technologies: HTML5, CSS, REST API, ReactJS, TypeScript, jQuery, NodeJS

Framework: Spring MVC, Django, Flask, React, Apache Spark, Express, NestJS, Angular, NextJS, Sling

Software Development Environment: Eclipse, PyCharm, MS Visual Studio, SQL Server Management Studio

Source Control/DevOps: Team Foundation Server(TFS), Git, Azure DevOps, AWS, Kubernetes, Docker, Jenkins, GitLab

Tools: Jira, Maven, CRXDE, Tableau, Power BI, Google Analytics, Anaconda, Google Colab

Packages: Tensorflow, Sklearn, Numpy, Pandas, Matplotlib, Seaborn

EDUCATION

New Jersey Institute of Technology

Jan 2021 – Dec 2022

Master of Science in Computer Science

Newark, NJ

Gujarat Technological University

Aug 2015 – Jun 2019

Bachelor of Engineering in Information and Communication Technology

Ahmedabad, India

PROJECTS

Image Recognition Application

May 2022

- Developed a scalable image recognition application utilizing **Java, ReactJS, Spring Boot, Hadoop, Spark**, and **AWS EC2**.
- Improved reliability by implementing a load balancer to distribute web requests across multiple instances, ensuring high availability.

Traffic Counter Application

Jan 2022

- Engineered a multi-approach mode using **Java, ReactJS**, and **Spring MVC**; enabled real-time processing of traffic records annually to improve analytical accuracy for urban planning initiatives.

Learning Management System

June 2021

- Designed a web application for online exams using **Python, Flask, PostgreSQL, JavaScript**, and **Bootstrap**.
- Generated detailed performance reports for students, identifying areas for improvement to enhance learning outcomes.

Kansara Digital Android Application

Mar 2020

- Implemented the front end of a community welfare application using **Android Studio** and **Kotlin**.
- Enhanced existing Database into relational model and integrated **Web Scrapping** to avail feature for a comprehensive Telephone Directory. Integrated **Multi Factor Authentication** to bolster application security.