Vikas Kumar
India

Software Engineer

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LinkedIn   GitHub   Portfolio

EDUCATION

Bachelor of Technology (B. Tech.) - Computer Science Engineering	2018 – 2022
Guru Govind Singh Indraprastha University (Delhi)	**CGPA-8.6**

WORK EXPERIENCE

Software Engineer – Moglix   **MAY 2024 - Present**

- Led a critical, time-sensitive project to **streamline RFQ creation for enterprises**, reducing manual effort in the supply chain by 40%.
- Developed APIs for product catalog integration with Elasticsearch, improving search functionality and enhancing existing APIs, resulting in a 27% reduction in response times.
- Implemented new features in EOC Moglix for enterprise bulk order, **resulting in a 35% decrease** in manual work.
- Resolved key issues in the purchase order system, **reducing error reports by 23%** and enhancing overall system stability.
- Tech stack- Java, SpringBoot, MySql, Hibernate, Kafka, Elastic Search, MongoDb.

Software Engineer – HCL Tech   **SEPT 2022 – MAY 2024**

- Implemented new features and resolved defects in Spring Boot for the backend API, leading to a notable 7% improvement in application boot time.
- Orchestrated seamless migration of cloud application from AWS to Linode Akamai Cloud, with **database shift from DynamoDB to MongoDB**.
- Transitioned serverless functions from **AWS Lambda to OpenWhisk** and upgraded **AWS API Gateway to Kong API Gateway**, resulting in 30% cost reduction while maintaining optimal performance, scalability, and data integrity.
- Tech stack – Java, SpringBoot, MySql, Linux, Doker, Kubernetes, Serverless, JavaScript, MongoDb.

PROJECTS

Movie Application | View in GitHub

- ➢ Developed a movie application with user experience, including recommendations and reviews.
- ➢ Designed and created 100% RESTful API using Spring Boot with MongoDB as a persistence layer, coupled with ReactJS on the frontend.

Employee Management System | View in GitHub

- ➢ Created a Java Swing application for managing employee details, benefits, salary, and attendance.
- ➢ Built a full-stack application using Java and MySQL.

Greyscale Image Colorization | View in GitHub

- ➢ Developed Python-based model, utilizing Convolutional Neural Networks (CNNs) to enhance grayscale images with vibrant, realistic colors. Achieved a 70% increase in image vibrancy and realism.

CERTIFICATION

• Azure Developer Associate, AZ 204 **Link**	Microsoft:	FEB 2024
• Azure fundamentals, AZ 900 **Link**	Microsoft:	JAN 2024

SKILLS

- **Programming Languages: Core Java, JavaScript**, **Python** (familiar), **C/C++** (familiar).
- **Database: MySQL**, MongoDB, PostgreSQL.
- **Front end:** HTML, CSS, Bootstrap, **React**.
- **Back end:** Spring, **Spring Boot**, **Rest API, Hibernate**, **NodeJS**(familiar).
- **Tools: Git/GitHub**, **Docker**, **Kubernetes**, Kafka, **Maven**, **Gradle**, and Rally.
  - ➢ **Data Structures and Algorithms** | Object-Oriented Programming | Operating System | Linux | Database Management System | Computer Networks **| Linode | Azure | AWS.**
  - ➢ Communication | Leadership | Teamwork.

EXTRA-CURRICULAR ACTIVITY AND MANAGEMENT

- Solved 550+ **Leetcode** problems. | **Link**
- 5-Star Java Coder at HackerRank.
- Led football team to third place in Zonal tournament.