SUPRESH MAHAJAN

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Summary

An IT Professional with 2+ years of experience in developing web applications and backend systems. Skilled at writing clear, concise code that is easy to maintain and troubleshoot. Successfully led a team of 3 deriving productivity and good results.

Experience

Stonewain Systems Inc
Chandigarh
Software Development Engineer
07/2022 - Present

- Implemented a new **microservice** to **store static data** of 70+ tables in caches.
- Successfully upgraded whole project from **Java 8 to 11**.
- Enhanced CI/CD pipeline with **Python** scripts, **Maven**, and **Jenkins**; cut deployment time by 35% and decreased manual intervention by 50%, leading to more reliable and faster releases.
- Incorporated **centralized config server** backed up by Gerrit to improve CI/CD pipeline.
- Trained a team of 3 members and led the team to automate the manual deployment and report generation processes.
- Created a **Rule Engine** in the Spring Boot application to apply more than 100 set of rules stated by the user

Stonewain Systems Inc
Chandigarh
Software Development Intern
01/2022 - 06/2022

- Added bulk booking functionality via **Rest API** calls in the application using concepts of **Spring AOP** and **Completable Future** which improved performance by 56%.
- Worked on shifting a Web application from Monolithic to microservice architecture to improve performance by 40%.
- Added **Export to Excel** functionality to the application using Apache POI v5.2.3.

Skills

Technical Languages · Java 11 · JavaScript · HTML · Oracle SQL · C++ · Python

Frameworks · Spring Boot · Spring MVC · Hibernate · Rest APIs · Struts · Eh Cache

Tools · Postman · Maven · Docker · Jenkins · Git/Gerrit · Jira · CI/CD

Operating Systems · Linux · Windows

Education

Thapar Institute of Engineering and Technology
Patiala, Punjab
Bachelors of Engineering
06/2018 - 06/2022

- Secured a CGPA of 8.21 in Computer Engineering branch.

Shiksha Niketan Sr. Sec. School
Jammu
Senior Education
2018

- Achieved 88.2% in 12th / Intermediate PCM (non-medical) affiliated to State Board.

Projects

Car rental application

- Developed of a robust car rental portal featuring user management, and approval workflows.
- Utilized HTML/JS/CSS for a user-friendly interface and Spring Boot/PostgreSQL for a scalable backend. This project demonstrates full-stack development and data management.

Savior Eye (Capstone Project)

Developed assistive technology for the blind using **OpenCV, TensorFlow, and Raspberry Pi 5.** This project integrates hardware and software to create an impactful solution for visually impaired individuals. This device leverages computer vision and machine learning to:

- Detect user location via GPS and geospatial data.
- Recognize familiar faces through facial recognition with TensorFlow.