AMAN PRAKASH

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Profile

Adept Software Development Engineer with 3 years of experience in Java application and backend web development. Collaborative team player proficient in system design with proven ability of optimizing functionality and performance while delivering efficient technical solutions while following modern SDLC practices.

Work Experience

SAPPER – Software Development Engineer III, Pune   June 2022 - May 2023

- Re-modeled the **REST APIs** for client specific use cases for Classification and Extraction of selectable and non-selectable text data using OCR from PDF, e–mails and scanned docs to meet business objectives.
- Implemented **multithreading** strategies to achieve a remarkable **72% reduction** in case processing time from 44 to 12 mins.
- Identified and optimized 7 high-impact queries and added 10 strategic indexes, leading to a **28% decrease in average query execution time** significantly enhancing overall responsiveness and efficiency of the database system.
- **Fixed bugs and critical code vulnerabilities** like Log4shell and CSS vulnerability, built **Docker images**, in collaboration with other **stakeholders** deployed them on **Kubernetes** and monitored pod health status for maintenance.
- Collaborated with other **7 microservice** owners for **integrating and testing** end to end functioning and ensuring maintainability of the application by updating stack with modern libraries at planned regular basis.
- Identified and resolved functionality defects and performance issues and actively participated in **code reviews** to ensure **code quality.**

GENPACT – Software Development Engineer II, Bengaluru   October 2020 - May 2022

- Built **Spring Boot REST APIs** based on **microservice architecture** with **Java** for managing the life-cycle of Machine Learning models by streamlining the process of building, training, testing, validating and deploying the ml models.
- Generated, managed and analyzed daily accuracy reports of extraction data, writing **Python scripts** and documenting them as part of **Analytics Custom Reporting** and sharing it across multi-channels and cross-functional teams.
- Worked on **Azure and AWS** for service deployments, and **Kibana dashboards** for stats visualizations of 3 **microservices.**
- Achieved **code-base quality** benchmark by improving coverage up to **85%**, removing duplication by code refactoring.
- Successfully resolved site bugs, and conducted multiple **performance and load tests,** leading to notable improvements in web functionality and latency for better performance**.**

Skills

- Programming: Java, Spring Boot, Python
- Databases: MySQL, MongoDB
- Version Control & Project Management: Git, Jira
- Cloud Platforms: Azure, AWS

- Problem Solving: Data Structures & Algorithms
- Containerization & Orchestration: Docker, Kubernetes
- SDLC Practices: Agile (Scrum), Software Testing

Education

B. Tech in Aerospace Engineering, with a CPI of 6.7 – **INDIAN INSTITUTE OF TECHNOLOGY, KANPUR**
Minor: English Literature.   June 2016 - July 2020

Awards & Achievements

- Secured **99.78 %tile** and **99.35 %tile** in QA and DILR sections respectively in CAT 2023 conducted by IIMs.
- Secured **State Rank 12** in the Regional Mathematics Olympiad 2015 successfully qualifying for Indian National Mathematics Olympiad conducted by Homi Bhabha Center for Science and Education.
- Ranked among the **top 0.5%** of 1.3 million in the Joint Entrance Examination 2016 conducted by IITs.
- Head of Show Management, Udghosh'18, leading a 3-tier team of 50+ students to organize 27 competitions and 3 professional shows.