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MANOJ KUMAR
Software Development Engineer-1

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PROFESSIONAL EXPERIENCE

Software Development Engineer   *FIS Global, Pune, Maharashtra*   **Sep. 2021 – Present**

ACBS Commercial Loan Servicing (Fintech)
- Designed, developed, and peer tested RESTful APIs for key modules, including Customer, Facility, Loan, and Bundle entities, using Java and Spring Boot to enhance backend functionality.
- Implemented Swagger UI to streamline API documentation process, reducing production time by nearly 78%.
- Contributed to REST endpoint designs by gathering client requirements and defining request/response schema.
- Reduced 80% effort on regression testing by creating unit and integration tests utilizing Junit and Mockito libraries.
- Utilized Azure DevOps CI/CD pipelines for efficient code versioning and reliable release management.
- Participated in Scrum, followed Agile methodologies, and used Test-driven development to deliver quality products.

Associate Software Engineer   **Aapna Infotech, Gurgaon, Haryana**   **May. 2020 – Sep. 2021**
- Developed backend services for customized landing page applications in Java, Hibernate, React and MySQL.
- Implemented JSON Web Token (JWT) based authorization to restrict unauthorized access to REST API.
- Acquired 100+ new clients on the application and boosted quarterly revenue by 4.5%.
- Managed deployment on **AWS EC2** using **Docker** and maintained docker files for staging process.
- Improved server response time by 40% through monitoring, SQL profiling, and server-side code refactoring.

Software Engineer   **Algocomputing Softwares, Gurgaon, Haryana**   **Feb. 2019 – March 2020**
- Collaborated with peers and implemented invoicing management system for 30K+ merchants on our B2B platform.
- Redesigned invoicing and pdf models in Java and implemented bulk file upload feature with JavaScript validation.
- Ingested large dataset into MSSQL using Kafka and optimized SQL queries for a performance increase of nearly 50%.
- Created a Django dashboard with chart.js for data visualization and streamlined Python email feature for notifications.
- Compute similarity of all methods in a code base, reduced time complexity from $O(n^2)$ to $O(n \log n)$.

ADDITIONAL COURSES

Data Structures, Algorithm and System Design from Scaler Academy   **2022 – 2023**
- *Scaler profile:* Manoj@Scaler Solved 350+ problems on DSA.
- Well versed with OOPS concept and Design patterns.
- Have good understanding of Computer fundamentals, Operating System, Computer Networks, DBMS, SQL

EDUCATION

Netaji Subhas University of Technology West Campus, New Delhi, India   **August 2011 – May 2015**
Bachelor of Technology in Information Technology (B.Tech)

PROJECTS

- **Bookhive web app| | ** *Java, Spring Boot, OAuth, HTML, CSS :-* A scalable online library platform with GitHub authorization that enables users to login, track their favorite books, and monitor their reading habits.
- **Travel Map| | ** *Nodejs, React, Mapbox API, MongoDB :-* Created a user-friendly 3D map application using Mapbox API that allows for seamless exploration and interactive marking of travel destinations.
- **Snappy chat app| | ** *Socket.io, ReactJS, NodeJS* :- Created a real-time chat system using WebSocket technology that enables efficient communication over a single TCP connection.

ACHIEVEMENTS AND RESPONSIBILITY

- Selected in top 100 finalists at FIS InnovateIN48 internal innovation Programming contest (2021/2022).
- Received SPOT award at FIS Global for implementing Kafka streaming in a research-based project.
- Organized and scheduled brainstorming and knowledge sharing events for new team members.
- *LeetCode profile:* leetcode.com/makumar

SKILLS

Languages: Java, Python, JavaScript
Databases and ORM: MySQL, JPA
Frameworks: Spring Boot, Hibernate, ReactJS, C#.NET(1+ years)
Technologies: Git, Maven, JIRA, REST, JSON, AWS cloud(1+ years), Jenkins(basics)
Familiar: Data structures & Algorithms (2+ years), Microservices, Low Level Design, High Level Design, pandas (6+ months)
Soft Skills: Deliver results, Bias for action, Team player