

Manoj Kumar

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PROFESSIONAL EXPERIENCE

FIS Global | Software Development Engineer

Pune, Maharashtra | Sep 2021 - Present

- Collaborated with 12+ developers to develop RESTful web services for collateral, facility and loan modules using Java, Spring, and Hibernate are used by major banking firms including JP Morgan and Bank of Ireland.
- Streamlined API documentation using Swagger UI/OpenAPI, providing access to 3rd party developers.
- Created unit and integration tests in JUnit and Mockito libraries, allowing to achieve 94% code coverage.
- Utilized Azure DevOps CI/CD and GitHub Actions for code versioning and consistent release management.
- Wrote design docs for new API endpoints explaining business requirements, request-response schema, and payloads.

Aapna Infotech | Associate Software Engineer

Gurgaon, Haryana | May 2020 - Sep 2021

- Developed a customized landing banner application in Java and Spring on the backend and React on the frontend.
- Implemented JSON web token (JWT) authorization to restrict unauthorized access to over 15 REST resources.
- Deployed and maintained the application on AWS EC2 & utilized Docker container for staging process.
- Analyzed slow running queries using SQL profiler and code optimization, reducing server-response time by 40%.
- Generated 2000+ new customers within 3 months of release, resulting in a 4.2% increase in quarterly revenue.

Algocomputing Softwares | Software Engineer

Gurgaon, Haryana | Feb 2019 - Apr 2020

- Lead a working prototype of an invoice management system in collaboration with 2+ cross-functional teams.
- Implemented object models, database schema, SQL stored procedures and REST APIs for invoicing and PDF generation, ingested large datasets into MSSQL server using Kafka for real time data processing.
- Achieved 75% faster invoicing, saving 2 hours/day, and increasing B2B platform sales by nearly 18%.

SKILLS

- Programming Languages:** Java, JavaScript, SQL
- Web & Frameworks:** Spring Boot, Hibernate, Junit, React, Node, HTML, CSS, jQuery, Bootstrap
- Tools & Technologies:** Git, Maven, JIRA, REST, JSON, Docker, AWS, MySQL, MongoDB
- Familiar:** Python, Django, pandas, Kafka, Microservices, NoSQL, HTTP, Agile, Scrum, Linux, PHP, Android

PROJECTS

- Bookhive App**, [Link](#) | *Java, Spring Boot, OAuth, HTML, CSS, Cassandra*:- Built a scalable online library platform with GitHub OAuth 2.0 authorization that enables users to login, track their favorite books and fuel their reading habits.
- Travel Map**, [Link](#) | *Nodejs, ReactJS, Mapbox API, MongoDB*:- Created an interactive 3D map web application integrating Mapbox APIs that allow users to seamless exploration and interactive marking of travel destinations.
- Snappy chat**, [Link](#) | *Socket.io, ReactJS, NodeJS, Express.js*:- Utilized WebSocket protocol to build a real time chat system that enables multiple users to send messages over a single TCP connection.

ACHIEVEMENTS AND RESPONSIBILITY

- Among top 100 finalists at FIS *InnovateIN48* internal innovation global programming competition (2021/2022).
- Received SPOT award at FIS for implementing Kafka messaging in a research-based project.
- Responsible for organizing brainstorming and knowledge sharing events for new team members.
- LeetCode profile*: leetcode.com/makumar

ADDITIONAL COURSES

Data Structures, Algorithms and System Design from Scaler Academy | 2022 – 2023

- Proficient in Data Structures, Algorithms, Object oriented programming (OOPS/OOD). Solved 350+ problems and possess a strong understanding of Design Patterns and CS fundamentals.
- Scaler profile*: [Manoj@Scaler](#)

EDUCATION

Netaji Subhas University of Technology West Campus

New Delhi | Aug 2011 - May 2015

- Bachelor of Technology in Information Technology
- Relevant Coursework: Statistics & Probability, Discrete mathematics, Computer networking, Operating system, Computer Architecture & Distributed systems, Data Analysis & Machine Learning