

Pavan Kumar S J

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Professional Summary

Software Engineer with 2+ years of experience specializing in Java, Spring Boot, Angular, DevExtreme, and REST APIs. Proficient in developing scalable applications, troubleshooting technical issues, and implementing Agile methodologies with DevOps practices. Adept at optimizing processes to enhance efficiency and accuracy. Strong understanding of Data Structures and Algorithms, with expertise in optimizing application performance.

Professional EXPERIENCE

Software Engineer

Synchronoss Technologies | RazorFlow (Lumine Group) | Bangalore, India

AUG 2023 – JAN 2025

PROJECTS

Cost Analytics – Invoice Processing & Management-

Technologies: Java, Spring Boot, Angular, DevExtreme, Kafka, ActiveMQ

Project Summary

- Cost Analytics application includes multiple projects which are used to load invoices into the system and process the same to give the details in the invoice on a UI, where the user is allowed to review and approve invoices.
- Cost Analytics gives on-demand spend analytics and payables automation software for customers to fully automate it's spend management and analytics functions.
- Customers to fully automate it's spend management and analytics functions.
- Customers will gain a fully automated network cost management solution to support its expanding communications and entertainment business including voice, broadband and video services for consumers and businesses.

Responsibilities/Deliverables:

- **Designed and implemented RESTful APIs** for secure and scalable data transactions between front-end (Angular) and back-end (Spring Boot).
- **Developed and optimized the invoice processing workflow**, implementing **Spring Boot microservices** for seamless API communication.
- **Integrated and customized DevExtreme Grid** components for enhanced data visualization, providing **efficient filtering, sorting, and pagination** for large datasets.
- **Optimized SQL queries and database indexing strategies**, reducing query execution time and improving overall system performance.
- **Applied efficient data structures** (HashMaps, Trees, and Graphs) to improve data retrieval efficiency in invoice reconciliation processes.
- **Developed algorithmic solutions** for cost analytics using **sorting, searching, and dynamic programming techniques**, optimizing financial computations.
- **Resolved SQL slowness issues** by **analyzing query execution plans**, implementing **caching mechanisms**, and using **database partitioning techniques**.

SKILLS SUMMARY

- **Programming Languages:** Java, JavaScript, TypeScript, MySQL
- **Back-End Technologies:** Spring Boot, REST API, Microservices, API Integration
- **Front-End Technologies:** Angular, DevExtreme, HTML, CSS
- **Database Design & Modeling:** MySQL, Schema Design, Query Optimization
- **Tools & Platforms:** Git, BitBucket, JIRA
- **Data Structures & Algorithms:** Arrays, Linked Lists, Stacks, Queues, Trees, Graphs, Hashing, Dynamic Programming

EDUCATION

Dr. Ambedkar Institute of Technology – Bangalore, India
Master of Computer Application (MCA) | CGPA: 8.4 | 2019 - 2022