Sanjay Sathyanarayanan

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Portfolio

Associate Software Engineer at Accenture with experience in Java application modernization, runtime migrations, CI/CD deployments, and production monitoring. Focused on Java backend engineering with Spring Boot, REST APIs, SQL, and relational database design, with hands-on project experience building business-oriented applications.

EXPERIENCE

Accenture 10/2025 – Present
Associate Software Engineer Bengaluru, India

- Support application modernization and maintenance across a **team-supported environment of 200+ applications,** contributing to application reliability and business continuity.
- Contribute to application migrations from **Java 8, Java 11, and Java 17 to Java 21**, supporting deployment, compatibility checks, and post-migration validation.
- Build and manage **CI/CD deployment workflows using Harness** to support application upgrades, releases, and redeployments.
- Monitor application request traffic, failure rates, and request traces using **Dynatrace**; validate application logs in Dynatrace Grail against live traffic and Postman requests to support troubleshooting and application verification.
- Contribute to **Java runtime and memory-management activities** to support application stability and resource utilization.
- Assist with **vulnerability remediation** across application repositories, supporting **application security and maintenance**.

Accenture 02/2025 – 06/2025
Associate Software Engineer (Internship) Bengaluru, Karnataka

- Contributed to building a hotel booking web application using Java and Spring Boot, streamlining booking workflows and improving overall user experience.
- Built REST API endpoints using structured JSON data and integrated a customer support chatbot to improve frontend functionality and reduce the need for manual support.

EDUCATION

Karpagam College of Engineering 2021 – 2025
Bachelor of Computer Science and Engineering Coimbatore, TamilNadu

PROJECTS

MICRO IMAGEE — Warehouse Management System

- Engineered a warehouse inventory management system supporting location-wise stock tracking, job-based material allocation, stock transfers, consumption, and unused-stock returns.
- Implemented transactional inventory workflows with pessimistic locking and quantity validation to prevent concurrent over-allocation and maintain stock consistency.
- Designed relational entity mappings and inventory lifecycle management to distinguish physical stock, reserved quantities, open stock, and damaged inventory while preventing double-counting.
- Developed approval-based workflows for manual stock adjustments, write-offs, and damaged-stock disposal, with traceable movement records for inventory accountability.
- **Key Skills:** Java, Spring Boot, PostgreSQL, REST APIs, React, TypeScript

ShareSpace

- Enhanced user engagement: Developed ShareSpace, an innovative social networking application, incorporating a dynamic multi-level commenting system using Next.js to foster real-time user interaction and enhance engagement through threaded discussions.
- Robust data management**:** Leveraging TypeScript for strong type safety and data integrity, while seamlessly integrating MongoDB's querying and aggregation capabilities for efficient retrieval and manipulation of user data
- **Key Skills**: Next.js, TypeScript, Tailwind CSS & MongoDB

SKILLS

Programming Languages & Core Concepts
Java, JavaScript, TypeScript, SQL, Object-Oriented Programming (OOP), Data Structures & Algorithms (DSA)

Backend & Web Technologies:
Spring Boot, REST APIs, Node.js, Express.js, React.js, Next.js, Zero Knowledge Proof

Databases & System Design
Postgres, MySQL, MongoDB, Data Modeling

Monitoring & Development Tools
Harness, Dynatrace, Postman, Git, GitHub, Jira, VS Code

CERTIFICATIONS

Advanced React: Meta Front-End Development, Coursera

Web Development Bootcamp: Dr. Angela Yu, Udemy