

DEVABRATH SAHU

SOFTWARE ENGINEER

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[Portfolio](#) | [GitHub](#) | [LeetCode](#) | [HackerRank](#)

PROFESSIONAL SUMMARY

Software Engineer with 15 months of experience designing and building enterprise and full-stack applications. Primary technologies include Java, Spring Boot, REST APIs, SQL, MySQL, React.js, TypeScript, and JavaScript. Contributed to 5 enterprise projects and delivered 7+ SPFx web parts covering application development, backend/API integration, database operations, debugging, performance improvement, and maintainable code.

TECHNICAL SKILLS

Programming Languages: Java, SQL, TypeScript, JavaScript

Backend Development: Spring Boot, Spring MVC, Spring Data JPA, REST APIs

Frontend Development: React.js, SharePoint Framework (SPFx), HTML5, CSS3

Databases: MySQL, SQL Queries, Relational Databases, CRUD Operations, Data Persistence

APIs & Platforms: RESTful Services, Microsoft Graph API, SharePoint Online

Tools & Cloud: Amazon Web Service, Git, GitHub, Postman, Jira

Concepts: Data Structures & Algorithms, Object-Oriented Programming, DBMS, Operating Systems

PROFESSIONAL EXPERIENCE

Software Engineer | AVASOFT, Chennai | Feb 2024 – Apr 2025 | 15 months

- Contributed to 4 enterprise software projects, delivering application features, maintenance changes, integrations, and defect fixes across business workflows.
- Developed 7+ SharePoint Framework (SPFx) web parts using React.js, TypeScript, HTML5, and CSS3, adopted by 2,000+ users across internal departments and external client/customer environments.
- Optimized Microsoft Power Automate workflows, reducing execution time from approximately 1 minutes to 20 seconds. 75% reduction, improving workflow completion speed.
- Incorporated advanced AI assistants into the development lifecycle, achieving a 3x increase in feature deployment velocity while maintaining strict code quality and testing standards.
- Analyzed and debugged defects across UI, API, and database/data flows, identifying root causes and implementing targeted software fixes.
- Collaborated with cross-functional teams in an Agile software development environment across requirements analysis, design, implementation, testing, defect resolution, and software releases.

PROJECTS

VIORA - A Multi-Vendor Platform | Java, Spring Boot, React.js, TypeScript, REST APIs, MySQL, Razorpay

- Designed and formulated full-stack application supporting 3 user roles: Customer, Vendor, and Administrator, with authentication and role-based access control.
- Implemented Spring Boot REST APIs for product, category, cart, order, search, filtering, vendor, and administration workflows.
- Built dedicated admin and vendor dashboards to track, manage, and edit platform data across products, orders, vendors, and administrative workflows.
- Connected React.js and TypeScript pages with backend services and implemented database-backed flows using MySQL and Spring Data JPA.
- Mapped page-level data requirements to SQL queries and persistence operations for structured retrieval and updates.
- Integrated Razorpay for demo payment processing within the order workflow.

URI Short - Advanced URL Shortener | Java, Spring Boot, Spring Data JPA, REST APIs, MySQL, Base62

- Engineered a URL shortening service using Base62 encoding to generate compact identifiers and support URL redirection.
- Added duplicate-URL detection and persistent URL-to-code mapping using Spring Data JPA and MySQL.
- Exposed REST endpoints for URL creation, lookup, and redirection using separated controller, service, and persistence layers.

NutriScan – Product Nutrition Scanner | Java, Android, REST APIs, MySQL

- Created an Android barcode-scanning application that retrieves product nutrition information through external REST APIs.
- Processed API responses and displayed product information through RecyclerView for efficient data presentation.
- Handled network communication, response processing, and data persistence using Java application components.

EDUCATION

Bachelor of Technology in Computer Science and Engineering

Bharath Institute of Higher Education and Research, Chennai | 2020 – 2024

CGPA: 8.7/10

Coursework: Data Structures & Algorithms, Object-Oriented Programming, DBMS, Operating Systems

ACHIEVEMENTS

- Solved 200+ coding problems across LeetCode and HackerRank.
- Runner-Up, College Coding Hackathon - Demonstrated strong coding, problem-solving, and algorithmic skills