DARSHAN N SHETTY

Software Engineer

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LinkedIn | Portfolio

Professional Summary

Software Engineer specializing in full-stack development with expertise in React.js, Node.js (Express), and Java (Servlets), along with database management using MySQL and Oracle. Proficient in designing and implementing scalable APIs, automating workflows using Python, and deploying applications on AWS. Adept at translating complex business requirements into efficient, maintainable, and high-performing solutions with a focus on collaboration and innovation.

Skills

Front-End:	HTML, CSS, Bootstrap, React.js, JavaScript, TypeScript
Back-End:	Node.js (Express), Java (Servlets), REST API Integration
Database:	MySQL, Oracle
Programming Languages:	Java, JavaScript
Tools & Technologies:	Git, GitHub, Postman, Docker, Playwright, Jaspersoft, Shell Scripting
Cloud:	AWS Fundamentals (EC2, RDS)

Work Experience

Software Development Engineer L2 | DREGAL I PRIVATE LIMITED | Mangalore, India
July 2023 – Present

• Led successful end-to-end data migration from Oracle to MySQL using Python, improving data efficiency and query performance by 30%.
• Designed and implemented RESTful APIs using Java Servlets and Node.js, ensuring robust backend communication and scalability.
• Developed modular React.js components, enhancing UI responsiveness and maintainability.
• Built and integrated Jaspersoft-based financial reports, providing real-time insights and improving system reliability.
• Conducted API unit testing, debugging, and backend optimization to ensure system stability.
• Collaborated with cross-functional teams to deploy and monitor services on AWS EC2 and RDS.
• Mentored junior developers on Git workflow, API design, and code review practices.
• Refactored backend logic to reduce API response times by 20% and improve scalability.

Junior Software Developer | Credzpay Fintech Private Limited | Bangalore, India

Feb 2023 – July 2023

• Developed a cross-platform mobile app using React Native, improving Android device performance and UI consistency.
• Built responsive and scalable front-end components using React.js for high-performance web applications.
• Automated repetitive testing and data migration tasks using Python scripts, increasing efficiency.
• Collaborated with UI/UX teams to align frontend design and functionality across all screens.
• Gained hands-on experience in modern JavaScript frameworks and agile development methodologies.
• Performed API unit testing, debugging, and backend optimization to ensure system stability.

Key Projects

Playwright Test Automation Framework: Developed an end-to-end automation framework using Playwright and Node.js, enabling cross-browser testing. The solution reduced manual testing time by 40% and improved release reliability by automating regression test cases.

IoT Smoke Detection System: Designed an IoT-enabled smoke detection solution using Arduino, sensors, and real-time alerting. This project improved safety measures by detecting smoke levels and sending automated notifications to a monitoring dashboard.

Voting System Website: Built a secure and efficient student voting management system with admin control, voter registration, and real-time results using PHP, MySQL, HTML, and CSS. The project enhanced transparency and simplified election management.

Education

Bachelor of Engineering (Information Science)
Canara Engineering College, Mangalore, India | 2018 – 2022
CGPA: 7.0/10

Pre-University Course (PCMCs)
S R P U College, Hebri | 2018
Percentage: 80.00%

SSLC
S R English Medium High School, Hebri | 2016
Percentage: 86.08%

Certifications

• RDBMS PostgreSQL Training — Indian Institute of Technology, Bombay (Dec 2020)
• Python — HCL GUVI (Apr 2021)
• SQL — HackerRank (Jul 2021)
• React Native — Udemy (Oct 2023)
• Frontend Developer (React) — HackerRank (Mar 2025)
• Build Your First End-to-End Test with Playwright — Microsoft (Oct 2025)

Check out all certificates here

Accomplishments

• Completed internship with QSpiders Campus Connect, gaining practical experience in Java development and software testing.
• Participated in "Yoga for Happiness" workshop by ISKCON and volunteered in Swachh Bharath initiatives in Udupi.

Core Strengths

• Communication
• Team Collaboration
• Problem Solving
• Adaptability
• Time Management
• Attention to Detail