VVS Satya Pasupuleti

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Education

Elmhurst University	Aug 2023 - May 2025
Master's in Computer Information Technology	*Elmhurst, IL*
Sankethinka Institue of Technology And Management	Jun 2018 - Aug 2021
Bachelor of Technology in Mechanical Engineering	*Visakhapatnam, India*

Experience

Tata Consultancy Services — Feb 2022 – Mar 2024
Assistant System Engineer — *Hyderabad, India*

- Developed responsive user interfaces with **ReactJS and JavaScript**.
- Collaborated with UX/UI teams to implement accessible and modern web designs.
- Built reusable React components and managed application state using **Redux**.
- Created **RESTful APIs and microservices using Spring Boot**.
- Optimized database queries with **Hibernate** and ensured data persistence.
- Ensured cross-browser functionality and performance.
- Wrote and executed unit tests using **JUnit** for quality assurance.

NSE TalentSprint — Sep 2021 – Jan 2022
Java Full Stack Developer (Trainee) — *Hyderabad, India*

- Developed full-stack applications with **Spring Boot, Spring MVC, and Angular**.
- Implemented data persistence using **Spring Data JPA and Hibernate**.
- Managed build scripts and project dependencies with **Maven, Gradle**.
- Containerized backend services with **Docker** for consistent deployments.
- Engineered responsive UI components using **Angular and TypeScript**.

Projects

Inventory Management System | *Java, Spring Boot, Angular, MySQL, AWS EC2*

- Designed and developed a full-stack inventory management app using **Java, Spring Boot, and Angular**.
- Built secure **REST APIs** with **JWT authentication** and implemented real-time stock tracking.
- Integrated **MySQL** for backend storage and deployed the solution on **AWS EC2**.

Hotel Management System | *React, Spring Boot, PostgreSQL*

- Built a responsive hotel booking platform using **React and Spring Boot**.
- Implemented role-based access with **JWT**, customer management, and payment gateway integration.
- Deployed the application on a cloud platform and used **PostgreSQL** for data management.

Technical Skills

Languages: Java, JavaScript (ES6+), TypeScript, SQL, HTML5, CSS3
Backend: Spring Boot, Spring MVC, Spring Security, REST APIs, Microservices, Hibernate, JPA, Maven, Gradle, JUnit
Frontend: React, Angular, Redux, React Hooks, npm, Webpack
Databases: MySQL, PostgreSQL, Oracle, MongoDB
Cloud & DevOps: AWS, Docker, Jenkins, Git, CI/CD
Tools: GitHub, Bitbucket, Jira, Postman, IntelliJ IDEA, VS Code
Methodologies: Agile, Scrum, Test-Driven Development (TDD), Behavior-Driven Development (BDD)
Core Concepts: OOPS, Data Structures, Design Patterns, Algorithmic Thinking, Security Best Practices