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# Snehil Saxena

Mumbai

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## EDUCATION

**B.Tech, Information Technology**, Shri Ramswaroop Memorial Group of Professional College, SGPA: 7.72

Aug 2019 — July 2023

## SKILLS

**Programming Languages:** Java, C++, SQL, Shell Scripting

**Backend Technologies:** Spring Boot, JPA, Postman, Microservices, Hibernate

**Frontend Technologies:** React.js, HTML, CSS, AJAX, JQuery

**Databases:** PostgreSQL, MySQL, PL/SQL

## PROFESSIONAL EXPERIENCE

**TATA CONSULTANCY SERVICES**, Associate Software Engineer

• Vodafone Idea

Jan 2024 — Present

**Technologies:** React.js, Spring Boot, Microservices, REST APIs, PL/SQL, Git

- Built and stabilized a Signal Verification Module for Vodafone's tower infrastructure portal using Spring Boot microservices and React.js, enabling automated multi-day node validation and accurate network assurance.

- Resolved a critical UAT validation defect at the core service layer by fixing data handling and API synchronization issues, ensuring production-ready reliability.

- Delivered end-to-end feature releases across backend and frontend with structured CI/CD pipelines via Jenkins and version control using Git, achieving consistent, defect-free UAT deployments.

• Atomic Engery Regulatory Board (AERB)

**Technologies:** Spring, Struts, JSP, PL/SQL, MVC Architecture, Hibernate

- Built and sustained secure, scalable application modules using Spring-Struts MVC architecture for India's nuclear regulatory authority portal.

- Strengthened authentication mechanisms through two-factor authentication, CAPTCHA validation and account lockout policies.

- Architected and optimized database triggers and stored procedures, directly enhancing query performance and supporting DBA operations.

- Introduced a Clarification Request workflow, cutting application rejections by 90% while raising citizen satisfaction by 80%.

- Facilitated direct requirement discussions with AERB leadership, ensuring accurate scoping, traceability, and compliance-driven delivery.

- Automated administrative processing through a bulk equipment approval feature, lowering manual workload by 70-80% and multiplying approval speed by 10x.

- Applied multithreading and concurrency principles to improve system responsiveness under high user load.

## PROJECTS

### Start Smart

- Developed a scalable and interactive web platform for Start Smart, an IoT-based service provider, using ReactJS and the Chakra UI component library to ensure a modern and intuitive UI/UX.
- Implemented advanced state management with React Hooks and Context API, and enhanced UI with dynamic carousel animations and responsive design principles.

### Expograde Academy

- Designed and implemented a full-stack web application for Exprograde Academy, a coaching institute, using HTML, CSS, JavaScript (frontend) and Django framework (backend) for seamless functionality.
- Developed dynamic course listing, teacher profile management, and secure contact forms with Django for database handling, ensuring efficient content updates and user interaction.

## KEY ACHIEVEMENTS

- Winner in 10 day coding marathon in Oct 2021.
- Hired and mentored 7 developers while evaluating 30+ candidates for project roles for AERB.
- Recognized for technical mentorship for junior developers in Spring Boot, PL/SQL, and Microservices, client communication, and strategic project delivery.
- Implemented Clarification Request feature reducing application rejection rates by 90% and enhancing user experience by 80%.
- Delivered a bulk approval functionality streamlining workflows and making approval processes 10x faster.
- Spearheaded the Signal Verification Module, ensuring accurate multi-day testing for Vodafone's internal portal.
- Project coordinator intern at Little Umbrella Foundation organization in Dec 2020