

# Amol Manik Nagare

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## 👤 Summary

**Full Stack Java+Angular Developer** with 4 years of experience in designing and developing enterprise-scale applications using **Java, Spring Boot, Hibernate, Spring Data JPA, Microservices, RESTful APIs and Angular**. Proficient in building responsive user interfaces with **HTML, SCSS, TypeScript, and Bootstrap**, and deploying containerized applications using **Docker**. Experienced in managing **PostgreSQL** databases and establishing **CI/CD pipelines** with **Jenkins**. Passionate about writing clean, maintainable code and optimizing system performance and user experience. Recognized for contributions to the flagship AI product **ignio ERPOps** at TCS.

## 🔧 Skills

<b>Frontend:</b>	HTML/CSS, JavaScript, TypeScript, Angular (Components, Directives, Services, RxJS, Routing, Reactive Forms, State Management)
<b>Backend:</b>	Java, Spring Boot, Spring Framework, Spring Data JPA, Hibernate, Spring Cloud, Spring Security, Spring MVC, Microservices Architecture
<b>Database:</b>	PostgreSQL, MySQL
<b>DevOps &amp; Tools:</b>	Git, GitHub, GitLab, Docker, Jenkins, AWS DevOps
<b>IDE &amp; Others:</b>	IntelliJ IDEA, Eclipse, Visual Studio Code, Postman, Maven

## 📁 Work Experience

**Tata Consultancy Services Limited | Full Stack Developer** **Dec 2021 - Present**

- Developed and maintained user-centric interfaces for ignio ERPOps using **Angular**, applying modern **UI/UX principles** and creating reusable components to meet product requirements.
- Engineered and optimized **RESTful APIs** using **Spring Boot**, ensuring high performance, security, and seamless integration between frontend and backend systems.
- Improved application performance by implementing **lazy loading** and optimizing API calls, resulting in faster load times and a smoother user experience.
- Used **Docker** to containerize services, simplifying deployment and ensuring consistency across different environments.
- Collaborated within an **Agile** team environment, participating in sprint planning, daily stand-ups, and retrospectives to deliver features on schedule.

**Intern | Insight Success** **May 2021 – Dec 2021**

- Developed and maintained robust backend functionality using Core Java (OOP, Collections, Multithreading) to enhance application features, improving code reliability and performance for key business processes.
- Supported the development of RESTful web services by contributing to Spring Boot controllers and service layers, facilitating efficient data exchange between the front-end.
- Gained hands-on experience with data persistence technologies by writing and optimizing SQL queries and utilizing JPA/Hibernate to interact with relational databases, ensuring accurate data storage and retrieval.

## Projects

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### Project Nexus

- Engineered a full-stack project management ERP application using an **Angular** frontend and a **Spring Boot RESTful API** backend, facilitating end-to-end management of projects, tasks, and user roles for streamlined team collaboration.
- Designed and implemented a robust, normalized relational database schema using **Spring Data JPA** and Hibernate, defining critical '@OneToMany' and '@ManyToMany' relationships between User, Project, and Task entities to ensure data integrity.
- Secured the application by integrating **Spring Security** with JWT-based authentication and authorization, implementing role-based access control (RBAC) to protect API endpoints and sensitive business logic.
- Enhanced system performance and maintainability by leveraging **Spring AOP** for cross-cutting concerns, including centralized logging, execution time monitoring, and audit trail generation for key user actions.
- Developed a dynamic and responsive single-page application (SPA) using Angular, featuring component-based architecture, routing, reactive forms, and RxJS Observables to consume REST APIs for a seamless user experience.

### Portfolio Website | [thematrixworld.com](https://thematrixworld.com)

- Designed and developed a personal portfolio website showcasing skills, projects, and achievements using Angular.
- Implemented responsive design for mobile and desktop compatibility.

## Education

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**Savitribai Phule Pune University**  
Bachelor of Computer Engineering, CGPA: 7.06/10

**Aug 2017 - June 2021**

## Certifications

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- Associate Cloud Engineer – Google Cloud (TCS Sponsored)
- TCS Digital Milestone (Cleared internal digital exam with hands-on coding)
- Agile Foundation Certification