# Satin Patel
## Java Full Stack Developer

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🌐 Pune, India

Dynamic **Full-stack Java developer** with 4.3 **years** of hands-on experience, adept at driving successful project outcomes through effective leadership and team collaboration. Demonstrated ability in project management, consistently delivering high-quality solutions by aligning client requirements with innovative technical solutions. Committed to excellence in service delivery, engaging closely with clients to understand their needs and deliver exceptional results.

## Experience

### Software Engineer at Amdocs, Pune
*SEP 2024 - Present*

- Working on Optima, a telecom management software, developing microservices using **JBoss Fuse, Apache Camel, and Spring Boot**, with **React and Redux** for the frontend.
- Implementing **Drools rule engine** for managing product visibility and offer application, while handling **Couchbase** (NoSQL) and **PostgreSQL** (SQL) for data storage and retrieval.
- Migrating JBoss Fuse microservices to Spring Boot, optimizing API performance to execute **under 1 second**, and ensuring high code quality (**SonarQube, Black Duck, Checkmarx**).
- Using **Docker** + **kubectl** for local testing with EaaS and leveraging Java design and integration patterns for a scalable and efficient system.

### Software Engineer at Nagarro, Jaipur
*JAN 2022 - AUG 2024*

- Developed and maintained **full-stack applications** using **Spring Boot** (backend) and **ReactJS, Angular** (frontend) while ensuring security authentication for both.
- **Led three frontend projects** (teams of 3-4 members), introduced **PrimeNG & PrimeReact** for reusable components, and optimized UI development for automotive industry clients.
- Ensured code security and compliance, maintaining clean **SonarQube, Black Duck,** and **Checkmarx** reports for both frontend and backend.
- Designed a high-performance solution for **dealer guide manual** generation, resolving browser memory issues and enabling dynamic guide creation in just two steps using **Thymeleaf**.
- Implemented **Redis caching** to improve API performance and developed schedulers for cache updates.
- Managed Jira tasks in the absence of a Scrum Master, streamlining project workflows and enhancing productivity.

### Assistant System Engineer at TCS, Hyderabad
*Nov 2020 - Jan 2022*

- Developed **data retrieval pipelines** to fetch data from a MySQL database based on specific requirements, ensuring optimized data extraction and processing.
- Worked with **Sparkola** to streamline data transformation processes and create **Collibra datasets** for data governance and management.
- Played a key role in developing an **internal dashboard for TCS** using **ReactJS**, which provided valuable insights and data visualization.
- As a trainee, worked on dashboard functionalities and UI designs, implementing interactive and user-friendly components to enhance usability.
- Gained hands-on experience with **React development, MySQL, Sparkola, and Collibra**, collaborating closely with a team to build efficient and scalable solutions.

# Education

**Samrat Ashok Technological Institute, Vidisha**                    *Aug 2016 - June 2020*

- Bachelors of Engineering in Information Technology

# Skills

- **Programming Languages** - Java (Java 8, Spring Boot, JBoss Fuse, Apache Camel), JavaScript, TypeScript
- **Frontend Technologies** - ReactJS, Redux, Angular, PrimeNG, PrimeReact, Thymeleaf
- **Backend & Microservices** - Spring Boot, Spring Data JPA, JBoss Fuse, Apache Camel, REST APIs, Drools(Rule Engine), Microservices Architecture, API Performance Optimization
- **Databases & Caching** - PostgreSQL, MySQL, Couchbase (NoSQL), Redis (Caching), Query Optimization
- **DevOps & Cloud Tools** - Docker, Kubernetes (kubectl), EaaS
- **CI/CD & Code Quality** - Jira, Git, SonarQube, Black Duck, Checkmarx
- **Software Development & Best Practices** - Java Design Patterns, Integration Patterns, Secure Coding Practices

# Achievements

- Winner of the "**Best of the Best**" award in Nagarro for outstanding performance in Q3 & Q4 2022.
- Recipient of the "**On the Spot Gems**" award in TCS for exceptional contributions.
- Achieved "**The Brightest Mind**" award in Nagarro for the year 2023-2024.

# Projects

| Project Name | : OPTIMA |
| --- | --- |
| Description | : Optima is a telecom management software developed by Amdocs, designed to streamline the customer lifecycle in the telecom industry. The platform provides a comprehensive suite of tools for customer acquisition, account management, and recharge processes. Optima supports both agents and customers, allowing agents to efficiently manage customer accounts and customers to perform self-service activities like recharges, plan modifications, and more. |
| Tech Stack | : ReactJS, Apache Camel, JBoss Fuse, Java8, Springboot, Postgresql, Couchbase |
| Responsibilities | : |

- Developed and maintained backend services using Spring Boot, JBoss Fuse, and Apache Camel, ensuring efficient microservices communication and seamless data flow across the platform.
- Optimized API performance to ensure responses are processed within 1 second in production, improving the overall system performance and responsiveness.
- Integrated Drools rule engine for dynamically applying offers and managing product visibility based on business rules, enhancing backend business logic.
- Worked with PostgreSQL and Couchbase (NoSQL) databases to manage customer and product data, optimizing queries for better data retrieval and performance.
- Collaborated with frontend teams, contributing to the development of ReactJS and Redux components, ensuring smooth UI integration with backend services for a seamless user experience.
- Utilized Docker + kubectl for local development testing, improving testing environments and deployment processes.
- Applied Java design patterns and best practices to ensure scalable and maintainable backend systems, while supporting frontend efforts to maintain consistent design and functionality.

| Project Name | : ESSHO |
|---|---|

**Description** : This project includes DOC publish for document management and CRAFT for cost distribution management and reporting. DOC publish allows file uploads, tracking, and downloads; CRAFT features "Admin" for distribution management and "Reports" for detailed report viewing and download.

**Tech Stack** : Angular, Spring boot, Java 17, Prime-Ng, Redis, GitHub Copilot, PostgreSQL

**Responsibilities** :
- Managed and guided frontend development team to align with project goals and deadlines, fostering professional growth.
- Led design and implementation of responsive, accessible user interfaces for DOC publish and CRAFT modules.
- Ensured seamless integration between frontend and backend systems through UI design and implementation.
- Developed RESTful APIs, optimized database schemas, and implemented business logic for distribution and reporting functionalities, using Swagger for API documentation.
- Enhanced development productivity and code quality with GitHub Copilot's AI-powered assistance, optimizing efficiency in project development.


**Project Name** : **Supplier Management Tool Phase 2**

**Description** : This project enables suppliers to register by providing necessary information via a user-friendly form. Subsequently, multiple users within the organization review and approve supplier details for accuracy and compliance.

**Tech Stack** : ReactJS, Spring boot, PostgreSQL, Redis, Prime react, Axios, Redux

**Responsibilities** :
- Solely handled frontend development.
- Designed UI with React and PrimeReact.
- Created user-friendly Redux forms.
- Managed state with React and Redux.
- Utilized Axios for seamless API integration.
- Implemented robust access control for data security.


**Project Name** : **Sales Program Guide**

**Description** : This project automates team data uploads, calculations, and collaborative reviews, generating monthly PDF and Excel reports upon multi-team approval, enhancing data management and reporting efficiency.

**Tech Stack** : Angular7, Spring boot, PostgreSQL, Thyme leaf, Redis

**Responsibilities** :
- Migrated existing Angular 7 module to Angular 14 and added new SPG module.
- Implemented server-to-server communication for calling REST APIs between servers.
- Designed over 50 dynamic screens for a versatile guide allowing users to dynamically add content, similar to an automotive guide.
- Developed APIs to collect data from all screens and dynamically generate PDF documents using Thymeleaf.
- Integrated frontend functionality allowing for dynamic approval processes involving multiple departments.
- Utilized pipes to parse and transform data retrieved from the database before displaying it in the frontend.