

# Siddhesh Jungade

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## Skills

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**Programming Languages:** JavaScript, Typescript, Java, Python, SQL, and C/C++

**Technologies:** Spring Boot, Node.js, Express, Nest.js, React, Jest, Junit, Mockito, Next.js, and Appsmith

**Databases & ORM:** MySQL, MongoDB, PostgreSQL, Hibernate, Java JDBC, and AWS DynamoDB

**Middleware:** Spring Security, Apache Kafka, Spring Cloud, and Node AWS-SDK

**Cloud & DevOps:** AWS, Kubernetes, Docker, and GitHub Action

**Concepts:** Object-oriented programming (OOPS), Data Structures and Algorithms (DSA), DBMS, Computer Networks, and Cloud

**Tools:** VS Code, Postman, Github, Terminal, Mac, Linux, Window, and WSL

**Miscellaneous:** Multi-threading, Problem Solving, and Microservices

## Work Experience

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### Software Developer

DigitalAPICraft Pvt. Ltd.

Bangalore, India

Dec 2022 - Present

**Technologies:** Javascript/Typescript, Node.js, MySQL, MongoDB, PostgreSQL, Appsmith

### Business Switch

- Developed an Admin Portal improving operational efficiency by 35%, managing 1,000+ user profiles and £1M+ in commissions.
- Built a Bulk Status Update feature, processing 1,000+ records daily, reducing update time by 80% using short polling and efficient background job processing.
- Automated broker onboarding with AWS Cognito and JIRA API, reducing onboarding time from 120 minutes to 3 minutes and minimizing repetitive tasks by 85%.
- Integrated PDF Kit for custom quote downloads, enhancing user experience by 40% with 100% accuracy.
- Developed a low-code real-time data visualization app with dynamic charts, improving decision-making speed by 50% with the help of appsmith.
- Engineered a Commission Management System, reducing processing time by 40% and streamlining invoice generation using AWS S3.

### Low Carbon Recommendation

- Redesign and Developed a Low Carbon Recommendation System, analyzing industry data to suggest solar, insulation, lighting, and boiler upgrades, helping businesses reduce carbon footprints.
- Engineered a user action logging system, enabling data-driven business analysis and improving decision-making by 30% based on user behavior insights.
- Migrated data from an old MySQL database to a new DynamoDB structure, ensuring seamless data transition and improving scalability.
- Implemented advanced caching mechanisms, reducing database load by 50% and optimizing query response times by 60%.

### DevOps & Automation

- Designed and deployed a GPU-specific Kubernetes cluster in the UK region using Azure, optimizing AI and ML workload execution for high-performance computing.
- Introduced an internal private NPM package system, enhancing code reusability by 60% and reducing development time by 45%.

- Maintained 75% code coverage with a test-driven development (TDD) approach, ensuring robust code quality.
- Automated deployment pipelines using Docker and CI/CD, reducing deployment time by 50% and increasing deployment frequency by 60%.
- Conducted thorough unit and end-to-end testing, achieving a 95% bug detection rate before production.
- Converted JavaScript callback-based code to TypeScript, ensuring type-safe implementations across the codebase.

### Graduate Engineer Trainee

Hexaware Technologies

Pune, India

Jun 2022 – Dec 2022

**Technologies:** Java, SpringBoot, JavaMail API, Hibernate, Junit, Mockito

- Engineered a notification service using Spring Boot and JavaMail API to deliver real-time email alerts on bulk data load failures, reducing issue resolution time by 30% and enhancing system reliability.
- Optimized large dataset handling by implementing pagination, sorting, and search functionalities, using Spring Data JPA increasing webpage speed by 18% and improving data retrieval efficiency.
- Designed high-performance report download API using Spring Boot, Java, and Apache POI, improving data accessibility and enhancing user experience for over 50,000 customers across multiple platforms.
- Developed RESTful APIs for Last Sale Date and Event Management using Spring Boot, Java, Hibernate, enabling efficient CRUD operations, reducing decision-making time by 40%, and streamlining operational workflows.
- Implemented unit testing with JUnit and Mockito, ensuring high code quality and achieving 82% test coverage for improved reliability.
- Proficient in Java and Python, with 100+ hours of hands-on training in programming concepts and real-world applications.

## Projects

### ResumeCraft

[Link](#) 

**Technologies:** Typescript, Next.js, Nest.js, Docker, CICD, Netlify, AWS

- Developed a Resume Builder Web App with the Jack Ryan template and PDF download functionality, cutting resume generation time by 40% and providing efficient access to high-quality resumes.
- Deployed the application using Docker for containerization and AWS ECS with S3 for storage, ensuring high availability.

### Smart Car Parking System

[Link](#) 

**Technologies:** Python, socket.io, PostgreSQL, Raspberrypi & React

- The RFID-based Vehicle Smart Parking System automates token issuing, entry/exit tracking, fee calculation, and payment collection, reducing management time by 50% and improving accuracy by 95%.
- Implemented WebSockets for real-time updates on vehicle entry, exit, and parking availability, enhancing system responsiveness.

## Education



### Govt. College Of Engineering, Yavatmal

2019-2022

B.Tech (Computer Engineering) - 8.5 CGPA

Yavatmal, Maharashtra, India

## Certificates

- Programming for Everybody (Getting Started with Python) [Link](#) 
- Postman API Fundamentals Student Expert [Link](#) 
- Azure Fundamentals [Link](#) 