

Sai Prashanth Dyapa

Full Stack Developer

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Summary

Versatile and results-oriented Full Stack Developer with 4+ years of experience building robust, scalable web applications using Java, Spring Boot, and Angular. Skilled in developing RESTful APIs, implementing microservices, and designing responsive frontends. Proficient in object-oriented design, CI/CD automation, cloud deployment (AWS, Azure, GCP), and relational databases including PostgreSQL and MySQL. Strong advocate for clean code, TDD, and Agile/Scrum practices, with a proven track record of improving performance, reducing deployment time, and delivering high-quality software in fast-paced environments.

Technical Skills

- **Languages & Scripting:** Java, Java EE, JavaScript (ES6+), TypeScript, SQL, PL/SQL, HTML5, CSS3, Linux Shell Scripting
- **Backend Development:** Spring Boot, Spring MVC, Spring Data JPA, Spring Security, Hibernate, JDBC, Microservices Architecture, RESTful APIs, Node.js, SOAP Web Services, C, C++, Python, Log4j, SLF4J
- **Frontend Development:** Angular, AngularJS, Bootstrap, AJAX, JSON, RxJS, NPM, SCSS, Material UI, DOM Manipulation, Responsive Web Design, React, Vue.js, UI/UX
- **Database Technologies:** PostgreSQL, MySQL, Oracle, MongoDB (basic), Stored Procedures, Functions, Views, Indexing, Query Optimization, Flyway, Liquibase
- **Cloud & Deployment Platforms:** AWS (EC2, ECS, S3, RDS, CloudWatch, IAM, VPC), Microsoft Azure (App Services, Azure DevOps, Blob Storage), Google Cloud Platform (GCE, Cloud Run, Cloud Storage), Docker, Docker Compose, Containerized Deployments to AWS ECS and Azure App Services
- **DevOps & CI/CD Tools:** Git, GitHub, Bitbucket, Jenkins, GitLab CI/CD, Maven, Gradle, Nexus Repository, SonarQube, ESLint
- **Testing & Quality Assurance:** JUnit, Mockito, TestNG, Jasmine, Karma, Postman, SoapUI, TDD (Test-Driven Development), Swagger (OpenAPI)
- **Agile & Collaboration:** Agile Scrum Methodology, Sprint Planning, Daily Standups, Jira, Confluence, GitFlow, Peer Code Reviews
- **Architecture & Design Principles:** Object-Oriented Programming (OOP), SOLID Principles, Design Patterns (DAO, Singleton, Factory, Strategy), Event-Driven Architecture, MVC Architecture

Professional Experience

Full Stack Developer, Goldman Sachs|USA|03/2025 – Present

- Engineered scalable backend services using Java, Spring Boot, and RESTful APIs, optimizing data flow and reducing latency by 30% through efficient SQL and PL/SQL tuning.
- Architected Spring-based middleware and service layers in a micro services and SOA environment, enabling modular and high-throughput distributed systems for financial platforms.
- Implemented robust data access layers with JPA, Hibernate, and JDBC, leveraging object-oriented principles and patterns (DAO, Singleton, Service Locator) to drive code reusability and maintainability.
- Streamlined CI/CD workflows using Maven, Linux shell scripts, and GitHub Actions, accelerating release cycles by 40% and improving build reliability with integrated Jenkins pipelines.
- Optimized database performance by creating and tuning stored procedures, triggers, indexes, and views, ensuring accuracy and speed in high-volume financial transaction systems.
- Developed responsive Single Page Applications (SPAs) using AngularJS (with partial migration to Angular 2+), AJAX, and Bootstrap, delivering seamless UI updates and enhanced user engagement.
- Executed comprehensive unit and integration testing using JUnit, Postman, and SoapUI, and partnered with QA teams to resolve defects, improving overall release quality and production stability.
- Led the migration from legacy SVN to GitHub, enhancing development efficiency through modern branching strategies, pull requests, and structured code review processes.
- Integrated cloud-native solutions with AWS EC2, S3, and CloudWatch to support scalable Spring Boot deployments, improve uptime, and enable proactive monitoring in production.

Software Engineer, Renault Nissan Technology & Business Centre| India|01/2021 – 08/2023

- Developed and maintained scalable microservices using Java (Spring Boot) and dynamic, reusable UI components with Angular, improving application performance and long-term maintainability.

- Increased frontend performance by 35% by implementing lazy loading, optimizing Angular modules, and refactoring redundant code for enhanced responsiveness.
- Built and secured RESTful APIs using Spring Security, incorporating authentication and role-based authorization, and documented endpoints using Swagger (OpenAPI) for streamlined collaboration.
- Automated CI/CD pipelines using Jenkins, deploying Dockerized applications from Bitbucket to AWS ECS, accelerating release cycles and minimizing manual effort.
- Ensured code quality with SonarQube (backend) and ESLint (frontend), and implemented consistent test coverage using JUnit, Mockito, Jasmine, and Karma in a TDD-driven environment.
- Designed and optimized relational database schemas in PostgreSQL and MySQL, and created stored procedures to automate and streamline backend data operations.
- Actively contributed to Agile Scrum teams, participating in sprint planning, daily standups, and retrospectives, fostering cross-functional collaboration and timely delivery.
- Mentored junior developers on modular Angular design and Spring Boot architecture best practices, reinforcing clean code principles and scalable full-stack development.

Software Developer, Cognizant |India|09/2019 – 12/2020

- Developed enterprise-grade backend systems using Java, Spring Boot, and RESTful APIs, supporting scalable services for clients in healthcare, banking, and telecom domains.
- Applied object-oriented programming principles and SOLID design patterns (Factory, Singleton, Strategy) to ensure extensible and maintainable service-layer code.
- Integrated with third-party systems using REST and SOAP web services, enabling seamless data exchange across distributed platforms with structured error handling and logging.
- Optimized backend application performance through JVM tuning, thread management, and asynchronous processing using Completable Future and Executor Service, reducing latency by 20%.
- Participated in code reviews, peer programming, and agile ceremonies, contributing to improved code quality and faster sprint velocity in cross-functional development teams.
- Implemented data persistence using Spring Data JPA and Hibernate, with advanced query optimization and transaction management for high-throughput database operations.
- Delivered production-ready code following CI/CD best practices, including Maven-based builds, automated unit/integration testing with JUnit and Mockito, and deployment through Jenkins pipelines.

Projects

Professional Project - Project Portfolio Management (PPM)

Tech Stack: Java, Spring Boot, Angular, PostgreSQL, AWS.

- Developed and maintained key modules for this application used by 5,000+ global users to track 4,000+ projects coming under Renault-Nissan alliance, providing visibility into Cost, Schedule, QCT metrics, and essential Project details.
- Designed and implemented a cron-scheduled backend utility to fetch files from AWS EC2, perform data processing into PostgreSQL, and stored raw files in Amazon S3, which reduced the human intervention and automated the task of data processing.

Graduate Project - Voice Based Web Navigation

Tech Stack: JavaScript, Web Speech API, Angular

- Implemented voice-command navigation for a web application using the Web Speech API, enabling hands-free webpage control and enhancing accessibility for users.

Graduate project - Web Scraping and Data Visualization

Tech Stack: Python, Pandas, Matplotlib

- Developed a web scraping tool using Python to extract and preprocess data from dynamic web pages.
- Utilized Pandas for data cleaning and manipulation and created insightful visualizations using Matplotlib to enable effective trend analysis and data interpretation.

Education

M.S. in Computer and Information Science , Southeast Missouri State University	05/2024 Cape Girardeau, MO
Bachelors in Electronics and Communication Engineering , Kakatiya University	04/2020 India

Certifications

AWS Certified Solutions Architect – Associate Issued by Amazon Web Services validates expertise in designing secure, scalable, and cost-effective cloud solutions on AWS.	04/2025
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