

Contact

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Top Skills

Java 8

spring core

TypeScript

santhosh shanmugam

Full Stack Java Developer | Angular, Spring Boot, REST APIs, Spring Security, Hibernate | Cloud Solutions on GCP | Agile Enthusiast | Strong in Mentoring & Optimizing Application Performance

Chennai, Tamil Nadu, India

Summary

- 7 years of experience in Java/J2EE, Software Development Life Cycle, Object Oriented Programming, developing and testing of Client/Server, Enterprise and Web Applications.
- Experienced in working various domain such as Banking, Insurance, ecommerce
- Experience in developing application in Single page(SPA's) using such as Angular (9/14)
- Adept at leveraging modern development tools and practices, including RESTful API development, microservices architecture, and continuous integration/continuous deployment (CI/CD).
- Strong collaborator with excellent communication skills, capable of working independently or as part of a dynamic team to achieve project goals and exceed client expectations.
- Extensive experience in integrating third-party APIs and services to enhance application functionality and user experience.
- Skilled in using version control systems like Git for efficient source code management and collaboration.
- Proficient in containerization and orchestration tools such as Docker and Kubernetes for seamless deployment and scalability.
- Experienced in working with cloud platforms Google Cloud Platform (GCP), optimizing applications for performance and cost-efficiency.
- Capable of conducting thorough unit testing and debugging to ensure optimal performance and reliability.

Experience

Photon

Senior Software Engineer 2

February 2025 - Present (5 months)

Chennai, Tamil Nadu, India

- Participated in Agile methodology and involved in Design, Development, Implementation, and testing of the enterprise applications.

Altimetrik India

Senior Engineer- Product and Platform Engineering

February 2023 - January 2025 (2 years)

Chennai, Tamil Nadu, India

- Participated in Agile methodology and involved in Design, Development, Implementation, and testing of the enterprise applications.
- Involved in web application development for backend system using Angular 14 ,Angular CLI, Webpack, HTML5, TypeScript, SCSS.
- Used Angular 14 Reactive form to implemnet complex form and performed the validations using form Builder. Used Angular material Components developing the UI.
- Consumed RESTFUL web services using Angular HTTP Module and transformed the response using RXJS operator
- Defined Angular routes using Router module for component at module level to enable lazy loading for modules and components.
- Worked with RXJS Observables and operator when working with HTTP JSON response and defined error handler and handle error scenarios.
- Created and injected Spring Service ,Spring controllers, and DAOs to achive dependency injection and wire the object of business classes
- Worked extensively on developing controller,Interfaces and Implementation classes using Spring MVC framework & used Microservicce architecture with Spring Boot based service through REST
- Automated build and deployment processes using Jenkins, Docker, and Kubernetes.
- Implemented authentication and authorization using Spring Security and OAuth2.0.
- Conducted unit testing with Karma, Jasmine, Junit achieving 80%+ code coverage.
- Mentored junior developers and conducted code reviews to ensure best practices.
- Key achievement: Reduced application latency by 30% by optimizing database queries and API response times.

CGI

Senior Software Engineer

July 2021 - January 2023 (1 year 7 months)

Chennai, Tamil Nadu, India

1. Application Development

Design and implement robust, scalable, and secure web applications using Java technologies like Spring Boot, Hibernate, and JPA.

Develop front-end interfaces using frameworks like Angular, React, or Vue.js.

Ensure seamless integration between the front-end and back-end components.

2. Database Management

Design and manage relational (MySQL, PostgreSQL) and non-relational (MongoDB, Cassandra) databases.

Write efficient SQL queries and optimize database performance.

Implement database migrations and version control using tools like Liquibase or Flyway.

3. API Development and Integration

Develop RESTful or GraphQL APIs for data exchange between client and server.

Integrate third-party APIs and external services.

Implement API authentication and authorization mechanisms (e.g., OAuth, JWT).

4. Front-End Development

Build responsive and user-friendly interfaces using HTML, CSS, and JavaScript.

Use modern front-end frameworks like Angular, React, or Vue.js for dynamic UI development.

Ensure cross-browser compatibility and performance optimization.

5. Back-End Development

Write server-side logic and services using Java frameworks like Spring, Spring Boot, and Microservices architecture.

Implement business logic, handle exceptions, and manage transactions effectively.

Use dependency injection and other design patterns for clean and maintainable code.

6. Testing and Debugging

Write unit tests using JUnit and integration tests using tools like Mockito or TestNG.

Perform front-end testing with tools like Jasmine, Karma, or Cypress.

Debug and resolve issues in both front-end and back-end code.

7. Deployment and Maintenance

Deploy applications in cloud environments like AWS, Azure, or Google Cloud.

Use containerization tools like Docker and orchestration tools like Kubernetes.

Set up CI/CD pipelines using Jenkins, GitHub Actions, or GitLab CI/CD.

Monitor application performance and implement fixes for bugs or performance bottlenecks.

HCL Technologies

Senior Software Engineer

July 2019 - July 2021 (2 years 1 month)

Chennai, Tamil Nadu, India

- Involved in requirements gathering and requirements analysis and participated client meetings.
- Creating Typescript reusable components and service to consume REST API'S using Component based architecture provided by Angular 6 and used webpack to build Typescript modules.
- Developed the application using core java concepts like collections, multithreading, oo concepts, exception handling for developing application modules.
- Designed, developed and exposed all business functions as services using JAX-RS with jersey framework.
- Integrated, Build, and tested using Jenkins.
- Building and deploying the application on testing servers

Wipro

Software Engineer

November 2017 - July 2019 (1 year 9 months)

Chennai, Tamil Nadu, India

Developed and debugged Java applications, adhering to coding standards and best practices.

Assisted in implementing features using Java frameworks like Spring Boot and Hibernate.

Wrote unit tests with JUnit to ensure code quality and functionality.

Collaborated with senior developers to understand project requirements and deliver solutions.

Worked with relational databases, writing SQL queries and integrating with applications.

Participated in code reviews and team discussions to improve technical skills.

Documented code and processes for better team collaboration and future reference.

Gained hands-on experience with tools like Git, Maven, and IntelliJ for efficient development.

Education

Hindustan Institute of Technology and Science, Kancheepuram

Bachelor of Technology - BTech, Computer Science · (September 2011 - May 2015)