

Sai Krishna V

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SUMMARY

Experienced Full Stack Developer with 3+ years of strong background in designing, developing, and optimizing scalable web applications. Proficient in leveraging modern technologies and frameworks to deliver high-quality software solutions in fast-paced environments. Skilled in **Core Java**, **Java 8 features** (Lambdas, Streams, Optional), multithreading, and core Java concepts like collections, exception handling, and OOP principles. Experienced in **Spring Boot**, **Angular**, **React.js**, and **Node.js** for full-stack development, and adept at implementing **RESTful APIs** for seamless integration with front-end and third-party services. Expertise in **MySQL**, **MongoDB**, and **PostgreSQL** for database design, query optimization, and data security.

EDUCATION

Master of Science in Computer Science , University of Alabama at Birmingham, USA	Apr 2024
BTech in Computer Science Engineering , Kamala Institute of Technology and Science, India	Jun 2022

PROFESSIONAL EXPERIENCE

Full Stack Developer <i>JPMorgan Chase, New York, NY</i>	Oct 2023 - Present
<ul style="list-style-type: none">Developed and maintained scalable and secure web applications using Java, Spring Boot, and Angular, and designed RESTful APIs for seamless integration with front-end components and third-party services.Managed database operations, including schema design, query optimization, and data migration using MySQL and MongoDB, while implementing security best practices for authentication, authorization, and data encryption.Optimized application performance by identifying bottlenecks, implementing caching strategies with Redis and Spring Cache, and ensuring robust code through unit and integration testing with JUnit and Mockito.Collaborated with cross-functional teams, including UX/UI designers, product managers, and QA engineers, to deliver high-quality software solutions, and engaged in agile practices like daily stand-ups and sprint planning.Developed automated CI/CD pipelines using Jenkins and Docker, reducing deployment times and improving software reliability, and utilized Git for version control and code reviews to maintain code quality.Implemented microservices architecture to enhance modularity and scalability and mentored junior developers by providing guidance on best practices and facilitating knowledge-sharing sessions.	

Associate Software Engineer <i>Virtusa Consulting Services Private Limited</i>	Jan 2022 - Dec 2022
<ul style="list-style-type: none">Developed full-stack web applications by designing dynamic user interfaces with React.js, responsive designs using HTML5, CSS3, and SASS, and building scalable back-end services using Java Spring Boot, implementing RESTful APIs for seamless communication between the front-end and back-end.Integrated databases like PostgreSQL, MySQL, and MongoDB with the back end, leveraging JPA/Hibernate for efficient data management and ensuring high-performance and scalable applications by optimizing database queries and schema design.Enhanced application architecture by implementing microservices using Spring Cloud and ensuring secure, efficient communication between services with tools like Spring Security, OAuth2, and JWT for user authentication and authorization.Leveraged RabbitMQ messaging framework for asynchronous communication between microservices, improving system scalability and reliability.Streamlined development and deployment workflows using tools like Maven, Gradle, and Spring Boot DevTools, while improving code maintainability with Java 8+ features, adherence to design patterns, and using JUnit and Mockito for comprehensive testing.Deployed and maintained applications on cloud platforms such as AWS and Heroku, utilizing Docker for containerization and Kubernetes for orchestration, and implemented CI/CD pipelines using Jenkins, GitLab CI, and GitHub Actions to ensure smooth deployment and delivery cycles.	

Jr. Software Engineer <i>Version 1, Bengaluru, IN</i>	Jan 2021- Dec 2021
<ul style="list-style-type: none">Contributed to all stages of the SDLC, from requirements gathering and design to deployment and maintenance, ensuring smooth delivery of software features. Applied Java and Spring Boot for backend development and feature implementation.Utilized SQL and Hibernate ORM frameworks to design, query, and manage databases, enabling efficient data storage and retrieval. Developed database schemas and optimized queries for improved application performance.Implemented automated build and deployment pipelines using Jenkins and GitLab CI, enabling smooth integration and faster delivery cycles. Ensured code integrity through automated tests during the CI process. And integrated RabbitMQ for messaging services, enabling asynchronous communication between components for improved data processing efficiency.Managed source code using Git, performing tasks like branching, merging, and resolving conflicts to maintain organized and clean code repositories. Collaborated with team members on GitHub or GitLab to review code and manage pull requests.Gained exposure to front-end frameworks like React and Angular by working closely with front-end developers to integrate and test RESTful APIs, ensuring cohesive user experiences across the application.	

TECHNICAL SKILLS

Web Technologies: HTML/HTML5, CSS3, CSS, XML, JavaScript, AJAX, jQuery, JSON, Bootstrap
Methodologies: Agile/Scrum, Waterfall
Languages: Java, C++, Python, C, TypeScript
Front-End Technologies: Angular.js, Node.js, React.js, jQuery, Ajax
Databases: MySQL, SQL Server, JDBC, NoSQL, MongoDB
Frameworks: Spring Boot, Angular, Docker, Hibernate, Kubernetes
Back-End Technologies: Node.js, Java, .NET, Express.js, Kafka
Development Tools: Visual Studio Code, IntelliJ, Eclipse, Spring Tool Suite, Postman, SOAP UI, Jenkins, JIRA, Confluence
Cloud Platforms, Operating Systems & Version Control: AWS, Windows, Mac, Linux, Git, GitHub, GitLab

PROJECTS

Cloud-Enabled File Sharing Tool Implementation
<ul style="list-style-type: none">Developed a cloud-based file-sharing solution using AWS S3, Lambda, SES, and DynamoDB to ensure secure storage, serverless processing, and efficient data management.Designed a user-friendly interface with capabilities for file upload tracking, automated file deletion, and advanced encryption for data privacy and compliance.Optimized for scalability and high performance through CloudFormation (IaC) and AWS CloudWatch for consistent deployment and resource monitoring across environments.
Performance Optimization and API Integration for Felicity's Web Platform
<ul style="list-style-type: none">Migrated codebase from AngularJS to Angular 7, achieving a 30% boost in website performance and a significant reduction in load times. Implemented responsive design strategies across platforms and screen sizes, boosting user engagement by 25%.Developed restful APIs to integrate front-end applications with back-end database servers enabling microservice architecture and scalability.
Employee Management System
<ul style="list-style-type: none">Developed a comprehensive employee management system using Java Spring Framework, Hibernate, Angular, and PostgreSQL, streamlining HR processes for improved efficiency.Implemented JWT authentication and role-based access control for data privacy, and used AWS EC2 and Docker for efficient, scalable deployment.
Online Student Admission System
<ul style="list-style-type: none">Developed a website which provides students the opportunity to go online and apply for admission and also to process their school admission details. Developed front end of interactive using web applications like HTML, CSS, PHP, and JavaScript. The backend of the web application by using technologies like Spring Boot, React, and MySQL.
Banking Application System
<ul style="list-style-type: none">Engineered Oracle DB with CRUD functionalities and PL SQL triggers for real-time updates in a Web 2.0 platform.Developed a web platform using Java EE, Spring MVC, Spring Boot, Hibernate, Oracle DB, JSP & DAO patterns.