Pentapati Bhuvan Venkat Sai
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SUMMARY

Full Stack Software Engineer with 5+ years of hands-on experience designing, developing, and deploying enterprise-grade web applications using **Java**, **Spring Boot**, **React.js**, and **Microservices**. Proficient in building scalable backend APIs and intuitive front- end interfaces. Adept in **cloud deployments** using AWS and Azure, optimizing infrastructure and application performance. Proven ability to collaborate across Agile teams, deliver secure software, and lead CI/CD initiatives. Strong foundation in **database management**, object-oriented programming, and DevOps tooling. Seeking challenging roles in backend or full stack development to contribute to robust, high-impact systems.

SKILLS

Methodologies: SDLC, Agile, Waterfall

Backend Development: Core Java, Java 8/11, Spring Boot, Spring Security, Microservices, Hibernate, JPA, RESTful APIs

Frontend Development: React.js, JavaScript (ES6+), TypeScript, HTML5, CSS3, Bootstrap, JSP, Servlets, JSTL

Languages: Core Java, Java 8/11, SQL

Frameworks: Spring (MVC, Boot, Security), Microservices, Hibernate, JPA, JSF, React.JS, Vue.JS, Node.JS

IDEs: NetBeans, IntelliJ IDEA, VS Code, Eclipse

J2EE Technologies: Servlets, JSP, JSTL, JavaBeans, JDBC, Java Mail

Web Technologies: HTML, CSS, JavaScript, TypeScript, Ajax, Bootstrap, jQuery, JSON, XML

Cloud Technologies: AWS (EC2, S3, VPC, ELB), Azure, Kubernetes, Docker, Jenkins, Git, GitHub Actions, JMeter, JUnit

Application Server: Apache Tomcat, IBM Web Sphere

Databases & Storage: MySQL, SQL Server, PostgreSQL, Oracle, MongoDB, JDBC

Version Control/Other Tools: Git, GitHub, GitLab, Maven, Gradle, Jira, Jenkins, Junit, MS Excel, JMeter

Operating Systems: Windows, Linux, Mac

Project Methodologies: Agile, Scrum, Waterfall

EXPERIENCE

Druva Software   **USA**
Aug 2024 - Present   **Software Engineer**

- Architected and deployed distributed microservices using Spring Boot and Java 11, enhancing service responsiveness and reducing average API latency by over 30%.
- Developed interactive front-end modules using React.js and TypeScript, improving component reusability and accelerating UI development cycles.
- Partnered with platform engineers to containerize and orchestrate services via Docker and Kubernetes, boosting infrastructure scalability and reducing downtime.
- Optimized complex queries and indexing strategies in MongoDB and PostgreSQL, resulting in a 25% improvement in data retrieval speed and system throughput.
- Built automated CI/CD workflows using Jenkins and GitHub Actions, streamlining deployment and minimizing rollback incidents across staging and production environments.
- Played a key role in Agile development lifecycle by facilitating sprint planning, retrospectives, and backlog grooming sessions, contributing to consistent on-time delivery.
- Managed cloud resources on AWS, including EC2, S3, and CloudWatch, optimizing usage patterns and reducing operational costs by 20% without compromising reliability.

Nevina Infotech   **India**
Jan 2019 - Jul 2023   **Software Engineer**

- Designed and delivered full-stack enterprise web applications for logistics and retail domains using Java, Spring Boot, Hibernate, and React.js, improving user engagement and process automation.
- Developed scalable RESTful services for inventory, payments, and shipping integrations, enabling seamless communication between internal modules and third-party platforms.
- Led modernization of legacy applications by transitioning to microservices architecture with Spring Boot and Docker, improving maintainability and reducing downtime by 30%.
- Orchestrated CI/CD workflows using Jenkins and GitHub Actions, accelerating deployment cycles and reducing manual release errors.
- Provisioned and scaled cloud-native deployments on Azure using containers and WebSphere environments, ensuring high availability and fault tolerance.
- Conducted end-to-end performance tuning of APIs and services using JMeter and profilers, leading to a 35% boost in throughput and reduction in response time.
- Partnered with QA and product teams to define acceptance criteria, manage test cycles in Jira, and document user flows in Confluence, improving cross-team delivery efficiency.
- Resolved high-priority production issues by performing root cause analysis and implementing proactive fixes, reducing ticket backlog.
- Directed the migration of synchronous service calls to asynchronous Kafka-driven workflows, resulting in a 50% improvement in order processing times and enhanced fault isolation.

EDUCATION

Master of Science in Computer Information Systems   **Dec 2024**
Colorado State University   Fort Collins, CO
Bachelor of Technology in Mechanical Engineering   **Apr 2019**
Sagi Ramakrishnam Raju Engineering College   Andhra Pradesh, India