

N.V.S.HARSHINI VINNAKOTA

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Professional Summary

As a passionate software engineer with over 4+ years of experience I am eager to apply my expertise to drive innovation and contribute to cutting-edge technology solutions. My background in Java, Spring Boot, and agile methodologies aligns perfectly with the role's focus on feature development and code collaboration. I'm excited about the opportunity to work in a dynamic team environment, enhance my skills, and make a meaningful impact on users worldwide. I'm enthusiastic about learning new technologies and growing in a fast-paced setting.

Technical Skills

Programming Languages	Java (1.8, 11, 17, 21), Python, SQL, PL/SQL, Scala
Frameworks & Libraries	Spring Boot, Spring Data JPA, Spring MVC, AOP, Hibernate, JDBC, Microservices, Spring Security, OAuth 2.0, JUnit, Mockito, Apache Kafka, RabbitMQ, GraphQL
Web Application Tools	HTML, CSS, JavaScript, Angular, React, XML, PHP, Apache Tomcat, Servlets, REST API, SOAP
DBMS	MySQL, PostgreSQL, Oracle, AWS RDS, Cassandra, MongoDB
Cloud Platforms & Services	AWS (EC2, S3, ECS, SQS, SNS, CloudWatch, CloudWatch Alerts), GCP, Azure, PCF
Containerization & Orchestration	Kubernetes, Docker, Red Hat OpenShift (OCP4)
Monitoring & Observability	Splunk, Dynatrace, Grafana, Prometheus, ELK Stack, AWS CloudWatch & Alerts
Tools & Technologies	IntelliJ IDEA, Eclipse, Git, Bitbucket, JIRA, Rally, Postman, SoapUI, JMeter
Build, CI/CD & Automation	Maven, Jenkins, Kubernetes, Docker
Security & Compliance	Checkmarx (SAST), Black Duck (SCA)
Methodologies	Agile (Scrum, Kanban), Waterfall, Test-Driven Development (TDD), CI/CD

Experience

Full Stack Java Developer | Conflux Systems - Mastercard | 01/2023 - Current

- Demonstrated expertise in **Java/J2EE**, **REST APIs**, **XML**, **JSON**, and Internet Protocols, with a strong command of **data structures**, **algorithms**, **multithreading**, and **concurrency** to optimize system performance and ensure seamless synchronization.
- Designed and maintained scalable platform components using Spring Boot and microservices architecture, ensuring high availability and performance. Developed authentication and authorization systems using **JWT** and **OAuth2.0**.
- Led end-to-end development of enterprise-grade Java applications using the Spring Framework and Hibernate, achieving a **30% increase in application performance** through efficient code practices and system tuning.
- Developed and validated **RESTful and GraphQL APIs** to facilitate communication between microservices and client applications, ensuring high throughput and low latency. Leveraged the **Swagger framework** for comprehensive endpoint documentation.
- Implemented **event-driven architecture** using **Apache Kafka**, efficiently handling **1M+ real-time messages per day**, enabling advanced data streaming and processing pipelines.
- Utilized **AWS CLI and Console** for service provisioning, management, and deployment, ensuring seamless infrastructure as code practices. Responsible for using **AWS console** and **CLI** for deploying and operating AWS services developing and creating of Web Services using **REST** with **JSON** response type.
- Orchestrated cloud-based deployments using **AWS EC2, EKS, ECS, S3, RDS**, leveraging **Docker** and **Kubernetes** to containerize and scale microservices while ensuring fault isolation and resiliency.
- Implemented **caching strategies** using **Redis** and **AWS ElastiCache**, enhancing application responsiveness and reducing database load.
- Designed and optimized **relational MySQL, PostgreSQL, Oracle** and **NoSQL Elasticsearch, Cassandra, MongoDB** databases, ensuring efficient data storage, retrieval, and querying.
- Streamlined continuous delivery by implementing robust **CI/CD pipelines** with **Bitbucket, Bamboo, Harness**, and **AWS ECR**, accelerating deployment cycles and reducing downtime.
- Created and executed **API test cases** using **Postman** and **SoapUI**, ensuring robust endpoint validation and contract testing. Conducted functional and performance testing of REST APIs using **JMeter**.
- Proactively monitored system health and performance using **Splunk, Dynatrace, Grafana, Prometheus**, and **AWS CloudWatch**, achieving **99.99% production stability** and faster incident resolution.
- Collaborated cross-functionally with product, **QA**, and **DevOps** teams to deliver high-impact projects on time and within scope.

SOFTWARE DEVELOPER | CommLab India LLP | 11/2019 - 07/2021

- Designed and implemented enterprise applications using core **Java and J2EE** design patterns such as **Singleton, Business Delegate, Façade, MVC**, and **Data Access Object (DAO)**, ensuring modularity, maintainability, and scalability.
- Developed microservices-based architecture using **Spring Boot**, deployed on **Pivotal Cloud Foundry (PCF)**, enabling seamless service communication and high availability.
- Led the development of **robust and reusable APIs** using **GraphQL** and **REST**, improving front-end integration and reducing response time by **25%**.
- Built internal web applications using **Groovy/Grails** with **MongoDB** as a data store, leveraging **IntelliJ IDEA** and **Grails 3.1.1 SDK** for efficient development.
- Created dynamic UI components using **HTML5, JSP, CSS3**, and **Angular 8**, enhancing user experience by implementing responsive and interactive features.
- Integrated **Oracle** and **Cassandra** for data storage, optimizing query performance and indexing strategies to handle large-scale datasets.
- Developed complex **stored procedures** in **MySQL** to streamline data processing, improving query performance by **30%**.
- Developed unit test cases using **JUnit** and implemented effective logging and debugging with **Log4J**, ensuring code quality and maintainability.
- Created and deployed **microservices** using **Spring Boot** and **PCF**, ensuring high availability and efficient resource utilization.
- Implemented **CI/CD pipelines** using **Jenkins, Kubernetes**, and **Maven**, reducing deployment time and enhancing release quality.
- Monitored and resolved production issues using **Splunk, Grafana, Dynatrace**, and **AWS CloudWatch**, significantly reducing downtime and enhancing system reliability.

SOFTWARE DEVELOPER | Venago Innovations | 01/2019 - 10/2019

- Collaborated with cross-functional teams across all phases of the **SDLC**, including requirement gathering, system design, development, testing, and deployment, following **Agile (Scrum)** methodologies to deliver high-quality software solutions.
- Actively participated in **sprint planning, backlog grooming, daily stand-ups**, and **retrospectives**, ensuring timely delivery of project milestones.
- Designed and implemented high-performance **RESTful** and **GraphQL APIs**, enhancing data accessibility for front-end applications and improving API response time by **30%**.
- Developed and maintained **gRPC, Thrift**, and **HTTP-based services**, optimizing service-to-service communication and reducing latency across distributed systems.
- Created robust, scalable microservices using **Spring Boot**, ensuring high availability and fault tolerance in cloud-native environments.
- Implemented **DevOps** practices, including **CI/CD pipelines**, automated testing, and **infrastructure as code (IaC)**, accelerating deployment cycles and improving system reliability.
- Utilized **Maven** and **Jenkins** to build, test, and deploy applications efficiently, while maintaining code quality through automated pipelines.
- Enhanced client-side functionality with **JavaScript** and **AngularJS**, implementing efficient data binding between models and views.
- Designed and developed complex **Oracle stored procedures, PL/SQL modules, functions**, and **triggers**, optimizing database performance and ensuring data integrity.
- Leveraged **AWS** and **Google Cloud Platform (GCP)** for cloud deployments, ensuring high availability and scalability of microservices.

Education

Missouri State University | Springfield, Missouri, USA | December 2022
Master of Science | Computer Science | GPA: 3.5/5

Vijaya Institution of Technology for Women (JNTUK) | INDIA | May 2019
Bachelor of Technology | Information Technology | GPA: 3.5/5