

Siva Rama Krishna Prasad Changala

in LinkedIn ☎ +17326008609 ✉ changala.2@wright.edu 📍 Dayton, Ohio, 45324

Professional Summary

Experienced Java Developer with 4+ years of expertise in building scalable enterprise applications using Java SE/EE, Spring, Hibernate, and React with TypeScript. Strong knowledge of frontend technologies (HTML, CSS, JavaScript) and a proven ability to collaborate effectively and drive project success.

Technical Skills

Programming Languages: Java 8, Python, JavaScript, TypeScript, HTML5, CSS3, Bash, PowerShell
Backend Frameworks & Technologies: Spring Boot, Spring 4+, J2EE, MVC, OSGI, Hibernate, Flask, Django, Node.js, Express.js

Frontend Frameworks & Libraries: React, Angular 8, Vue.js, jQuery, Bootstrap, Tailwind CSS

Cloud Platforms & Services: EC2, DynamoDB, VPCs, API Gateway, EKS, ECS, S3, Lambda, CloudFormation, CloudWatch, RDS, Elastic Beanstalk, SNS, SQS, StepFunctions, AWS Amplify

Databases: PostgreSQL, SQL, Azure SQL, Cassandra, Oracle DB, MySQL, MongoDB, DynamoDB, Redis

DevOps, CI/CD & Automation Tools: Jenkins, GitHub Actions, Azure Pipelines, Docker, Kubernetes, Terraform, Ansible, Helm

Collaboration Tools: Jira, Confluence, Slack, Microsoft Teams, Git, Bitbucket, Trello, Zoom

Development Experience & Projects

Enterprise Inventory Management System (Java)

- **Developed a scalable enterprise-level inventory management system** over three years, using **Java, Spring Boot, Hibernate, and PostgreSQL**, facilitating seamless tracking of products, suppliers, and inventory levels.
- **Optimized API response times by 30%**, implementing advanced caching strategies with Ehcache and refining database queries with Hibernate caching and indexing techniques.
- **Enhanced database performance by 20%** by designing efficient schemas and implementing batch processing for high-volume data operations, scaling effortlessly to handle 10,000+ product records.
- **Improved development efficiency** by 25%, transitioning to an Agile Scrum process with two-week sprints, automated CI/CD pipelines using Jenkins, and comprehensive code reviews.
- **Deployed the system on a cloud platform**, utilizing Dockerized containers orchestrated with Kubernetes, ensuring high availability and fault tolerance.
- **Integrated advanced monitoring and logging tools**, such as Prometheus and Grafana for performance metrics, and ELK Stack (Elasticsearch, Logstash, Kibana) for log aggregation and analysis.
- **Facilitated real-time analytics dashboards** using Spring Data and JasperReports, empowering stakeholders to make informed decisions with visual insights.

Education

Masters in Computer Science and Engineering Jan 2023 - Jan 2025 (est) **Wright State University** | Dayton, Ohio

Bachelors in Electronics and Communication Engineering Jun 2018 - May 2022 (est) **National Institute of Technology** | Uttarakhand, India

Credentials & Certifications



Machine Learning Specialization Issued October 2024 | **Coursera & Stanford University**