Venkata Pavithra Chaganti

Phone: 856-244-4197| [Email:chaganva@mail.uc.edu](mailto:chaganva@mail.uc.edu)

# PROFESSIONAL SUMMARY

Results-driven Java Developer with 2+ years of experience in designing, developing, and deploying scalable Java applications. Proficient in Java, Spring Boot, Hibernate, RESTful APIs, Microservices, and SQL, with hands-on experience in full-stack development. Strong background in database management and cloud computing. Adept at solving complex technical problems and delivering high-performance software solutions. Open to full-time Java Developer opportunities, available to start immediately.

# TECHNICAL SKILLS

* **Programming Languages:** Java (Core & Advanced), Python, SQL, JavaScript
* **Frameworks & Technologies:** Spring Boot, Hibernate, JSP, Servlets, JPA
* **Web Development:** HTML, CSS, JavaScript, React.js, Bootstrap
* **Databases:** MySQL, PostgreSQL, MongoDB
* **Cloud & DevOps:** AWS (EC2, S3, RDS), Docker, Kubernetes, Jenkins
* **Version Control & Tools:** Git, GitHub, IntelliJ IDEA, Maven, JIRA
* **Testing & Security:** JUnit, Mockito, Spring Security
* **Software Development:** Microservices, RESTful APIs, Agile (Scrum), SDLC

# PROFESSIONAL EXPERIENCE

## Tata Consultancy Services (TCS): Assistant System Engineer and Trainee: July 2022-July 2023

* Developed and maintained scalable Java-based applications using Spring Boot, Hibernate, and REST APIs.
* Designed RESTful services that reduced system downtime by 30%, improving application efficiency.
* Improved database query performance by 40% through SQL optimization in MySQL and PostgreSQL.
* Built microservices architecture, enabling better scalability and fault tolerance.
* Implemented JWT-based authentication and OAuth 2.0 using Spring Security for secure access control.
* Collaborated in Agile development (Scrum) with daily stand-ups, sprint planning, and code reviews.
* Integrated third-party APIs, boosting system functionality by 25%.
* Deployed applications using AWS EC2 instances, S3 storage, and Docker containers.
* Developed and executed unit and integration tests using JUnit and Mockito, ensuring 90% test coverage and reducing production bugs.

## CIOS Digital: Java Developer Intern: July 2021-June 2022

**Description:**

Worked on Java-based application development for the MBA INSITE product teams, helping businesses optimize fuel sales using data-driven insights.

## Responsibilities:

* Developed backend microservices using Java and Spring Boot for fuel sales data processing.
* Designed and optimized SQL queries to handle large datasets efficiently in PostgreSQL.
* Built and deployed applications in AWS cloud environments using Docker and Kubernetes.
* Conducted unit testing using JUnit and Mockito, ensuring 95% test coverage.
* Created RESTful APIs to facilitate seamless data exchange between services.
* Implemented Kafka messaging to streamline real-time data processing.

## Exposes Data Labs: Software Developer Intern Jan 2021-May 2021

* Developed secure web applications using Java, Spring Boot, and MySQL.
* Implemented authentication and authorization mechanisms using JWT and OAuth.
* Optimized database queries to enhance application performance and reduce latency.
* Worked on unit testing and integration testing using JUnit and Mockito.
* Deployed applications on AWS using Docker and Kubernetes for scalability and reliability.

# ACADEMIC PROJECTS

## Online Student Management System (Java, Spring Boot, MySQL, React.js)

* Developed a full-stack web application to manage student records, attendance, and grades.
* Implemented CRUD operations with Hibernate and JPA for efficient data management.
* Created RESTful APIs using Spring Boot and secured them with JWT authentication.
* Designed an interactive frontend using React.js and Bootstrap.
* Optimized database queries and application performance, reducing load times by 30%.

**E-Commerce Web Application**

* Developed a scalable e-commerce platform for online shopping.
* Implemented cart functionality, order management, and payment integration.
* Used Spring MVC for backend logic and MySQL for database operations.
* Integrated user authentication and authorization using Spring Security to enhance platform security.

**Technologies:** Java, Spring MVC, MySQL, HTML, CSS, JavaScript

# EDUCATION

## Master of Science in Information Technology August 2023-December 2024

University Of Cincinnati, Cincinnati, Ohio

## Bachelor of Technology in Information Technology

Bapatla Engineering College, Bapatla, India