

PROFESSIONAL SUMMARY

Application Developer skilled in Java, Spring Boot, RESTful APIs, and backend development, specializing in GPS-based applications, healthcare management systems, and attendance tracking using Spring MVC, Hibernate, MySQL, and Apache Kafka. Strong knowledge of OOP, authentication, and data validation to ensure system reliability. Passionate about performance optimization, user experience enhancement, and innovative problem-solving in dynamic team environments.

Experience

Wichita State University, Full Stack Developer Research Intern

(Dec 2023 – Oct 2024)

- Designed and developed a Java-based Attendance System, applying object-oriented programming (OOP) principles for robust user registration and data validation.
- Implemented RESTful APIs using Spring Boot to facilitate seamless communication between system components and ensure scalable backend architecture.
- Developed a GPS-based Attendance Application, integrating multi-threading and real-time data processing, focusing on optimizing system performance and user authentication.
- Applied data structures and algorithms to enhance processing efficiency, ensuring optimized data storage and retrieval.
- I participated in product design, development, verification, and troubleshooting to refine system performance and resolve issues efficiently.
- Utilized Java, Python, and C++ for backend logic development, following best practices in computer architecture and software design patterns.

Insight Enterprises, Full Stack Developer Research Intern, INDIA

(Jun 2022-Nov2022)

- Designed and implemented the web-tier using technologies such as HTML5, CSS3, JavaScript, **JSP**, Struts, and Tiles framework.
- Developed business module applications using J2EE technologies including Servlets, JSP, and JDBC.
- Integrated **ReactJS** to bind data retrieved from a database to the view using scope and leveraged **NPM** packages for predefined components.
- Created reusable components and services using TypeScript and **Angular** to consume REST APIs.

PROJECTS

Healthcare Management System

(Feb 2023 - Aug 2023)

- Developed an enterprise-level SaaS healthcare platform using Spring Boot and Java, implementing modular, reusable components for patient data management.
- Designed and implemented RESTful APIs to support CRUD operations for patient registration, doctor assignments, and medical history tracking.
- Integrated Spring Security for user authentication and authorization, ensuring compliance with data privacy standards.
- Utilized MySQL, Hibernate, and Spring Data JPA for efficient backend development and database performance optimization.
- Applied computer architecture principles, data structures, and design patterns to enhance system scalability and maintainability.

Spring Boot CRUD Application

(Aug 2024 – Dec2024)

Tech Stack: Java, Spring Boot, RESTful APIs, Hibernate, MySQL, JPA, Swagger, Postman, Docker

- Developed a full-stack CRUD application using Spring Boot & Hibernate, implementing Create, Read, Update, and Delete operations for database management.
- Designed and optimized RESTful APIs for seamless communication between the backend and frontend, ensuring high performance and scalability.
- Integrated MySQL as the relational database, utilizing JPA (Java Persistence API) and Hibernate ORM for efficient data persistence.
- Implemented exception handling, validation, and authentication mechanisms to enhance API security and reliability.
- Used Swagger for API documentation and Postman for thorough API testing, improving developer collaboration and usability.
- Containerized the application using Docker, making it easy to deploy and run in different environments.

TECHNICAL SKILLS

Programming Languages: Java, Python, C, C++

Frontend Development: JavaScript (Functional & OOP), HTML, CSS

Backend Development: Spring Boot, Spring MVC, RESTful APIs, Hibernate

Database Management: MySQL, MongoDB, Spring Data JPA

Software Development Concepts: Computer Architecture, Data Structures, Algorithms, Design Patterns

Tools & Technologies: Git, Postman, IntelliJ IDEA, MySQL Workbench

System Development: Multi-threading, Performance Optimization, API Design

Collaboration & Development Practices: Agile methodologies, Product Design, Troubleshooting, Code Verification

EDUCATION

Wichita State University, Wichita, KS, USA

Dec 2024

Masters in Computer Science

Vellore Institute of Technology, India.

May 2022

Bachelor's in Computer Science