

SADHWIN SAI SREE VARDHAN ARRAM

Java Developer

PROFESSIONAL SUMMARY:

- Throughout a period of **4.5 years**, my experience as a Software developer has allowed me to accumulate valuable professional IT expertise.
- Contributed to Software Development Lifecycle (**SDLC**) right from requirement analysis, documentation (**functional specifications, technical design**), coding and testing (preparation of test cases along with implementation) to the maintenance of proposed applications.
- Demonstrated extensive hands-on experience in **Core Java**, coupled with a deep comprehension of fundamental **Object-Oriented Programming** (OOP) principles encompassing Class, Object, Inheritance, Polymorphism, Abstraction, and Encapsulation. Moreover, I possess a proficient command of vital domains including **Collections, Multi-Threading, Exception Handling, and Data Structures**.
- Strong hands-on experience on various Java/J2EE technologies like **Spring IOC, Spring MVC, Spring DAO, Spring Batch, Spring Boot, ORM** frameworks like Hibernate and JPA, Web Services (SOAP and REST), EJB's, MDB, Servlets, JDBC, XSD, XSLT and XML.
- Experience in using **Hibernate** for mapping Java classes with database and using Criteria API and Hibernate Query Language (HQL).
- Experience in building Microservice applications using **Spring Boot** for developing Restful web services.
- Possess substantial expertise in formulating **SQL** queries, constructing Procedures, Functions, and Triggers, and possess a strong grasp of Relational databases such as **Cassandra, Oracle, MySQL, and SQL**.
- Responsible for designing and developing the user interface (UI) components using a combination of technologies, including **HTML, CSS, JavaScript, typescript, AngularJS, JSP, Servlets, JDBC, RESTful** Web Services.
- Hands-on experience in improving application performance through the utilization of **Angular's** component-based development approach, keeping in mind the future transitions within the Angular framework.
- Experienced in designing and developing **GraphQL** APIs, enabling more efficient and flexible data retrieval in large-scale applications.
- Proficient in working with **RESTful** APIs and skilled in application integration.
- Conducted thorough testing of RESTful APIs using **Postman**, verifying functionality, data integrity, and error handling.
- Integrated third-party APIs into the application, leveraging RESTful protocols, and effectively handling data retrieval and synchronization.
- Hands-on in continuous integration and continuous deployment (CI/CD) using **Jenkins, Docker, Kubernetes, Git, GitHub**.
- Expertise in Java IDEs such as **Eclipse, Net Beans, IntelliJ, NetBeans, Visual Studio**.
- Interacted with stakeholders for requirement gathering, prepared functional specifications and low-level design documents.

TECHNICAL SKILLS:

Languages	Java, C, C++, XML/XSL, python
Java Technologies	Java, Servlets, JDBC, JSP, J2EE, Data Structures
Software Methodologies	Agile, Scrum and Waterfall
Web Technologies	HTML, CSS, Servlets, JavaScript, typescript, Angular, jQuery, XML, JSON
Web Services	RESTful, WSDL
Frameworks	Angular JS, JPA, Hibernate, Bootstrap, Spring Boot
Operating Systems	Linux, Windows
Databases	MySQL, SQL, Oracle
IDE	Eclipse, Net Beans, NetBeans, Visual Studio
DevOps	Docker, Kubernetes
Version Control Tools	GIT, AccuRev
Web Servers	Apache Tomcat, Jetty
Tools	Maven, Junit, Java Visual VM, JIRA, Postman, Spring Test

EDUCATION:

- Masters in Computer Science, George Mason University, Fairfax, VA.
- Bachelor of Technology in Computer Science Engineering, Kakatiya Institute of Technology and Science, Warangal, Telangana state, India, March 2019 with 8.2 CGPA.

PROJECTS:

- **FACE RECOGNITION USING MACHINE LEARNING (Python)**

Developed a face recognition system as part of a college project using **Python** and machine learning algorithm **Support Vector Machines (SVM)**. The project involved preprocessing image datasets, training a model with facial recognition algorithms, and building a Python-based application for real-time face detection and recognition. Focused on enhancing accuracy and performance while integrating libraries such as **OpenCV** and **NumPy**.

- **COLLEGE MANAGEMENT PORTAL**

Designed and developed a web-based application as part of a **web development** course to streamline college management processes. The portal included features such as student and faculty registration, course management, attendance tracking, and performance monitoring. Leveraged front-end technologies like **HTML, CSS, and JavaScript** along with back-end development using **MySQL** for database management. Focused on creating a user-friendly interface and ensuring efficient data handling.

WORK EXPERIENCE:

U.S. Bank, Minneapolis, MN

Aug 2023 – Present

Role: API developer/ Java developer

Responsibilities:

- Involved in **design, development, testing and deployment** phases of the project along with code reviews and walk throughs.
- Led a team of offshore developers and testers to successfully achieve the project requirements.
- Participated in the process of collecting system requirements for the application, collaborating closely with the business team to review and assess the requirements.
- Worked in an **Agile** environment, involving in all stages of the **SDLC**.
- Created the application component using **Spring Boot**.
- Designed and implemented RESTful web services using **Spring Boot**, adhering to RESTful architectural principles providing efficient data access to front-end applications.
- Involved in implementation of enterprise integration with Web Services and legacy systems using **SOAP** and **REST API**.
- Engaged with the **JAVA Collections API** to manage data objects between the business layers and the front end of the application.
- Implemented **multithreading** techniques to efficiently handle multiple requests and optimize performance.
- Integrated with **Data APIS** to leverage the data from **Cassandra** to handle real-time inventory updates across multiple locations.
- Developed and integrated a **GraphQL** API, enabling real-time querying of transaction data from multiple banking systems, reducing the complexity of traditional **RESTful** APIs by allowing clients to fetch only the specific data they need.
- Containerized Java applications using **Docker**, **Jenkins** enhancing portability, and simplifying deployment across different environments.
- Orchestrated Docker containers with **Kubernetes** to achieve automated scaling, rolling updates, and self-healing capabilities.
- Enhanced the **spark job** to handle the integration of new data sources, ensuring the system could process and store additional data fields in line with evolving project requirements.
- Created comprehensive **Swagger documentation using OpenAPI** for a product API, resulting in reduction in support requests and improving the onboarding process for external developers.
- Wrote **Kafka** producers to stream the data from external rest APIs to Kafka.
- Implemented Entity, **DAO**, Repository using **JPA** and **Hibernate**.
- Used **JUnits** and **Mockito** for performing unit testing.
- Collaborated with cross-functional teams and participated in code reviews and walkthroughs, ensuring project alignment with Agile principles, and utilizing Jira for project tracking and management.

Environment: Java, Spring, Spring Boot, JWT, OAuth2, SOAP and RESTful API, React, Cassandra, Hibernate, JPA, JUnit, Mockito, Git/GitHub, Jenkins, Docker, Kubernetes, Jira.

Infor (India) Pvt. Ltd, Hyderabad, India
Role: Software Developer

July 2019 – Dec 2021

Responsibilities:

- Played an active role throughout various stages of the **Software Development Life Cycle (SDLC)**, including gathering requirements, designing, analyzing, and developing code for the application.
- Actively participated in daily **SCRUM** meetings, overseeing the complete build-release pipeline.
- Collaborated with fellow developers using **AccuRev** as the source code control system, facilitating project documentation sharing and team collaboration.
- Utilized the **JIRA** issue tracking tool to identify and address bugs, ensuring a systematic approach to bug fixing and maintaining traceability throughout the project's life cycle.
- Implemented seamless **integration with Webex** online meetings by leveraging **RESTful** APIs, enabling smooth connectivity between our application and the Webex platform.
- Developed and integrated features enabling **users to schedule, join, and manage Webex meetings** directly from within the application.
- Designed and implemented a **rating feature in the HCM application**, enhancing performance evaluation and feedback processes using a Java-based scripting language called **Landmark Pattern Language (LPL)**.
- Created intuitive user interfaces and workflows for capturing and displaying employee ratings for assigned activities and sessions within the application.
- Developed a **widget** using **TypeScript and the Angular** framework, providing recruiters with convenient access to requisitions and candidate details.
- Implemented functionality within the widget to display requisition status and provide information on the number of candidates associated with each requisition.
- Utilized **REST APIs** to retrieve requisition and candidate data from the **Oracle** database, ensuring real-time and accurate information.
- Conducted thorough **testing** and **debugging** to ensure smooth functionality and deliver a user-friendly experience.
- Collaborated with stakeholders to gather requirements and provided regular project progress updates.
- Resolved technical issues and provided end-user support during the implementation phase.
- Documented and created user guides to facilitate seamless adoption of the application by the team.

Environments: Java, RESTful APIs, Typescript, Angular, Oracle, MySQL, JIRA, AccuRev, LPL