# SADHWIN SAI SREE VARDHAN ARRAM
## Java Developer

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## 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 |
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| 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**                      **July 2019 – Dec 2021**
**Role: Software Developer**

**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