

# SAI SIRI CHANDANA M SOFTWARE ENGINEER

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## PROFESSIONAL EXPERIENCE

### HCL TECHNOLOGIES LTD, Software Engineer

03/2021 – 01/2022 | Vijayawada, India

#### Engineering and R&D Services (ERS)

- Streamlined different phases of the **Software Development Life Cycle (SDLC)** and implemented the process using **Agile (Scrum)** methodology, working with a team of 10 members for an average of **6 agile sprints per project**
- Developed Web APIs using **Java8/J2EE, JSP, Servlets, JDBC, Spring, SOAP, REST, HTML, and XML** 25% faster, collaborating with a team of 8 developers to achieve 15 API releases per quarter
- Diagnosed and **rectified assigned bugs and issues within an average time of 4 hours**, reducing unresolved bugs and issues by 40% over a 6-month period
- Addressed and contributed to **Development, Production Support, Analysis, Design, and Maintenance of Enterprise Business Applications** using Java and Web Technologies, utilizing 8 different technologies and languages with a team of 15 members in diverse roles
- Achieved Application Configuration, Code Deployment, and Front-End Development with **HTML 5, CSS 3, and JavaScript**
- Engineered **Continuous Integration and Continuous Delivery (CI/CD)** with **Jenkins**, designed **RESTful Web Services** using various frameworks, harnessing GitHub for Version Control, and executed application deployments on an Application Server (**Apache Tomcat/ JBoss**) with a **75% reduction in deployment issues**

### HCL TECHNOLOGIES LTD, Software Engineer

01/2020 – 03/2021 | Chennai, India

#### Client: Safran Passenger Innovations (Zodiac Inflight Innovation)

#### Project: IMS RAVE (Reliable, Affordable, and Very Easy)

- Led a 5-member cross-functional team, collaborating with six business partners in the **SDLC, improving IFE system architecture, integrating wireless modems, and reducing debugging time by 80%**
- Implemented **DO-178C standards for safety** and nearly 99% traceability from requirements to test cases
- Designed, developed, and validated RAVE modules in **C++/Java, focusing on IA32 and ARM platforms**
- Collaborated on cabin systems for **passenger comfort and crew support**
- Built code for LRU HW SW Conformity, Aircraft configuration data, and ground support systems, **contributing to 25% of the project's timeline**
- Proficiently reported and tracked bugs in **JIRA**, resulting in a remarkable 60% improvement in resolving issues over a span of 1 year, while also demonstrating expertise in version control tools like **GIT and SVN**, as well as **CI/CD** tools like **Jenkins**
- Actively participated in **Scrum meetings, Daily Stand-up, and Retrospective Meetings**

### HCL TECHNOLOGIES LTD, Jr. Software Engineer

09/2019 – 01/2020 | Chennai, India

#### Project: ACTIAN Cloud Migration

- Proficient in crafting **cloud migration strategies** (utilizing the 6 R's) aligned with architectural principles for scalability and performance on **Amazon Web Services (AWS)** with a team of 8 members
- Skilled in **designing and implementing secure Amazon VPC architectures**, ensuring data governance and compliance
- Redesigned **data modeling** techniques to optimize organization, resulting in a **25% reduction in data processing time**, saving 5 hours weekly
- Orchestrated **data warehousing solutions** for diverse data types, enhancing analytical capabilities and **saving approximately 4 hours per reporting cycle**

## EDUCATION

### Master of Science, Central Michigan University

01/2022 – 08/2023 | Mount Pleasant, MI

Computer Science

### Bachelor of Technology, Gokaraju Rangaraju Institute of Engineering and Technology

06/2015 – 06/2019 | Hyderabad, India

Electronics and Communication Engineering

## SKILLS

**Technical Skills:** JAVA(Spring Core, Spring Boot, Spring MVC, Hibernate, JSP, JDBC), C/C++, Python, Golang, RDBMS (MySQL, PostgreSQL, SQL Server), NoSQL databases (MongoDB), JavaScript, HTML5/CSS3, XML, Angular, React, Node.js, SOAP, REST APIs, AWS (EC2, ECS, ELB, EKS, S3, RDS, Lambda, API Gateway, Kinesis, DynamoDB, Step Functions, CloudWatch, VPC, Redshift), GCP (Pub/Sub, Dataflow, Cloud Functions, BigQuery), Azure, Apache(Tomcat, Kafka), Flask, Git/Gitlab, SVN, Jenkins, Terraform, Docker, Linux, Qt QML, Agile, JIRA, MATLAB

**Certifications & Training:** Fundamentals of the Databricks Lakehouse certification; AWS cloud foundations certification