

SAI SIRI CHANDANA M SOFTWARE ENGINEER

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EDUCATION

M.S. in Computer Science, Central Michigan University

GPA 3.87 | January 2022 – August 2023 | Mount Pleasant, MI

B. Tech in Electronics and Communication Engineering, G.R.I.E.T

GPA 9.2 | July 2015 – May 2019 | India

TECHNICAL SKILLS

- Programming Languages: JAVA (Spring Framework, Hibernate), C/C++, Python(NumPy, Matplotlib, Spark, Seaborn), JavaScript, SQL
- Web Development: HTML5/CSS3, XML, Angular, React, Node.js, Flask
- Database Management: RDBMS (MySQL, PostgreSQL), NoSQL databases (MongoDB)
- APIs and Web Services: SOAP, REST APIs
- Cloud Services: AWS (EC2, Lambda, CloudWatch), GCP
- Server and Middleware: Apache (Tomcat, Kafka), Operating Systems (Unix, Windows, MacOS, Android)
- Others: Version Control and CI/CD (Git/Gitlab, SVN, Jenkins, Docker, Kubernetes), Frameworks and Tools (Qt QML, Agile, JIRA), POWER BI
- Certifications & Training: Fundamentals of the Databricks Lakehouse, AWS Cloud Foundations

PROFESSIONAL EXPERIENCE

Intern Software Engineer, ADVANSOFT INTERNATIONAL INC.

October 2023 – Present

- Collaborating with senior developers to implement new features in the NALA Chef app and enhance the stability of the NALA WINGMAN app, utilizing J2EE, Spring Boot, HSQL, SOAP, and REST web services
- Developing and executing comprehensive test plans for NALA WINGMAN using JUnit and Selenium, ensuring proper robot functionality, and contributing to software documentation
- Implementing Git for efficient code management, utilizing Kubernetes for scalable deployment, Jenkins for CI/CD automation, and JIRA for task management, gaining experience in containerization and NoSQL data storage with MongoDB, and conducting data analysis to support decision-making in software development processes

Student Developer for University Applications, CMU

January 2022 – May 2023

- Associated with a cross-disciplinary team to enhance the university dining application, incorporating real-time menu updates and user-friendly interfaces using HTML, CSS, and JavaScript, while also analyzing data to optimize user experience
- Built an automated notification system for the landscape management app, enhancing communication efficiency through data analysis and system development
- Supervised user training sessions, provided continuous technical support, ensured a seamless transition for end-users through comprehensive documentation using Markdown and Swagger, and promptly resolved issues, all while leveraging data analysis skills to improve application usability

Software Engineer, HCL TECHNOLOGIES LTD.

March 2021 – January 2022

Engineering and R&D Services (ERS)

- Streamlined different phases of the Software Development Life Cycle (SDLC) and implemented Agile (Scrum) methodology with a 10-member team, averaging 6 sprints per project
- Endeavored Web APIs using Java8/J2EE, JSP, Servlets, JDBC, Spring, SOAP, REST, HTML, and XML, achieving 25% faster turnaround, collaborating with 8 developers for 15 API releases per quarter, and integrating React.js for enhanced front-end features. Engineered CI/CD using Jenkins, designed RESTful Web Services with React.js, utilized GitHub for Version Control, and achieved a 75% reduction in deployment issues on Apache Tomcat/JBoss
- Diagnosed and rectified bugs within 4 hours on average, reducing unresolved issues by 40% over 6 months
- Addressed and contributed to Development, Production Support, Data Cleansing, Data Preprocessing, Data quality checks, Data Validation, Analysis, Design, and Maintenance of Enterprise Business Applications with a 15-member team, while achieving Application Configuration, Code Deployment, and Front-End Development using HTML5, CSS3, and JavaScript

Software Engineer, HCL TECHNOLOGIES LTD.

January 2020 – March 2021

Client: Safran Passenger Innovations, IMS RAVE Project

- Led a 5-member cross-functional team, collaborated with six business partners in SDLC, improved IFE system architecture, integrated wireless modems, and reduced debugging time by 80%, actively participating in Scrum meetings, Daily Stand-up, and Retrospectives
- Spearheaded DO-178C standards for safety, achieving nearly 99% traceability from requirements to test cases, and proficiently reported and tracked bugs in JIRA, resulting in a remarkable 60% improvement in resolving issues
- Designed, developed, and validated RAVE modules in C++/Java for IA32 and ARM platforms, collaborated on cabin systems for passenger comfort and crew support, and built code for LRU HW SW Conformity, Aircraft configuration data, and ground support systems, contributing to 25% of the project's timeline

Jr. Software Engineer, HCL TECHNOLOGIES LTD., ACTIAN Cloud Migration Project

August 2019 – January 2020

- Proficient in crafting cloud migration strategies on Amazon Web Services (AWS) with a team of 8 members, skilled in designing 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, and enhanced analytical capabilities