

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, 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)
- 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

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
- Built an automated notification system within the landscape management application, optimizing communication efficiency and contributing to improved resource planning for scheduled maintenance
- Supervised user training sessions provided continuous technical support for dining and landscape applications and ensured a seamless transition for end-users through comprehensive documentation using Markdown and Swagger and prompt issue resolution

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 the process using Agile (Scrum) methodology, working with a team of 10 members for an average of 6 agile sprints per project
- Endeavored Web APIs using Java8/J2EE, JSP, Servlets, JDBC, Spring, SOAP, REST, HTML, and XML 25% faster, collaborated with 8 developers to achieve 15 API releases per quarter, integrating React.js for improved front-end features
- Diagnosed and rectified bugs within 4 hours on average, reducing unresolved issues by 40% over 6 months.
- Addressed and contributed to Development, Production Support, Analysis, Design, and Maintenance of Enterprise Business Applications using Java and Web Technologies with a 15-member team 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 including React.js, harnessing GitHub for Version Control, and executed application deployments on an Application Server (Apache Tomcat/ JBoss) with a 75% reduction in deployment issues

Client: Safran Passenger Innovations, IMS RAVE Project

January 2020 – March 2021

- 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% while actively participating in Scrum meetings, Daily Stand-up, and Retrospective Meetings
- 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, ACTIAN Cloud Migration Project

August 2019 – January 2020

- Proficient in crafting cloud migration strategies 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, and orchestrated data warehousing solutions for diverse data types, enhancing analytical capabilities and saving approximately 4 hours per reporting cycle