Mausam Parajuli

Dallas, TX | 256-294-9697 | mausamparajuli313@gmail.com | LinkedIn | Portfolio

SUMMARY

Dedicated and enthusiastic Software Engineer with an extensive foundation in the software development lifecycle, proficiency in Java, and a strong grasp of OOP, web services, data structures, algorithms, and agile methodologies. Graduated in the top 5% of my class, I bring a growth mindset and a diverse skill set cultivated through projects to contribute as a Software Development Engineer.

SKILLS

Languages: Java, Python, HTML, CSS, JavaScript, TypeScript, C++, Object-Oriented Programming, R

Frameworks/Libraries: Hibernate, Spring, ORM, JUnit, React, Angular, Node.js, Next.js, NestJs, Selenium

Technical: AWS, SQL, MongoDB, Docker, Git, Maven, XML, JSON, REST, Linux, Jira, Microsoft Office

EDUCATION

Jacksonville State University   **Jacksonville, AL**

*Master of Science in Computer Systems and Software Design (**GPA: 3.9**)*   *Graduation Date: Dec 2023*

WORK EXPERIENCE

Jacksonville State University   **Jacksonville, AL**

Graduate Research Assistant   *Aug 2022 - Dec 2023*

- Performed 100+ empirical tests on Single-Board Computers (e.g., RPi, ODROID) using ***Bash*** and ***Python*** scripts to evaluate ***Docker*** and ***Podman*** containerized applications.
- Assessed CPU, memory, disk, and network TCP/UDP throughput benchmarks, achieving a 60% time savings through systematic evaluation compared to manual execution methods.
- Published Research Papers: ***Performance Evaluation of the Docker Technology on Different Raspberry Pi Models***, Conference, 2023 (***Best Presenter Award***) | ***Performance Evaluation of the KVM Hypervisor Running on ARM-Based Single-Board Computers***, Journal, 2023.

Jacksonville State University   **Jacksonville, AL**

Full Stack Developer Intern   *Aug 2021 - May 2022*

- Led developers in building web applications, including a web-based parking system, optimizing space tracking and management to ensure an intuitive and efficient user experience.
- Adhered to agile development methods to streamline workflow, ensuring timely delivery of quality solutions.
- Orchestrated version control and collaboration efforts using GitHub, ensuring seamless integration with CI/CD pipelines and maintaining code integrity.
- Communicated with clients to deliver regular progress reports, ensuring a 100% client satisfaction rate.
- Technology used: ***React***, ***Java***, ***Spring Boot MVC***, ***JUnit***, ***Swagger***, ***Postman***, ***MySQL***, ***GitHub***, ***Jira***.

idTech   **Campbell, CA**

Summer Intern   *May 2021 - Aug 2021*

- Spearheaded projects in ***JavaScript***, ***Java***, and ***Python***, fostering collaboration and tracking progress.
- Guided 100+ software engineers in creating games and apps, with a 96% satisfaction rate.

ACHIEVEMENTS AND LEADERSHIP

Academic Merit Scholarship: Full ride scholar for maintaining a GPA of 4.0 throughout college.

Best of Showcase Award: Recognized for top research presentation among 50+ JSU symposium participants.

Leadership: President of Computer Science Club, Event Tech Lead, Orientation Leader, Ambassador, Senator.