

Mausam Parajuli

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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, algorithm, 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: 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.