

JUAN CARLOS LUJAN

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PROFESSIONAL SUMMARY

Experienced software engineer skilled in backend and web development, proficient in Java, SQL, Python, and JavaScript. Expertise includes AWS, Docker, and React.js, with a focus on optimizing performance and scalability. Experienced in Agile and TDD methodologies, adept at collaborating with cross-functional teams to deliver innovative solutions. Holds a Bachelor's from the University of South Florida. Passionate about continuous learning and contributing to impactful projects.

SKILLS

- **Programming Languages:** Java, SQL, HTML, CSS, C#, JavaScript, Python, C++, VHDL, Verilog.
- **Technologies/Frameworks:** Docker, Git, Jira, RabbitMQ, Amazon Web Services (AWS), ReactJs, Spring Framework, MySQL, Java Enterprise Edition, Hibernate, Spring MVC, Jenkins, JSON, AngularJS, HTML5, OpenGL, Spring Boot.
- **Technical Skills:** REST APIs, Web Development, Agile, methodology, Test-Driven Development (TDD), Microservices, Software Development, Computer Vision, OpenCV.

WORK EXPERIENCE

Backend Engineer

08/2023 – 12/2023

Chromatic Games

Gainesville,, FL

- Architected and developed key infrastructure components for AWS-based systems and applications, optimizing performance, scalability, and reliability.
- Identified and resolved bugs within React applications, employing effective debugging techniques and implementing robust solutions to ensure seamless user experience.
- Modernized legacy PHP Cron jobs by migrating them to a CI/CD pipeline leveraging AWS Lambda functions, enhancing deployment efficiency and reducing maintenance overhead.
- Implemented database optimizations and fine-tuned SQL queries, resulting in improved query performance and reduced response times for critical backend processes.

Application Developer

08/2022 – 05/2023

Eurofins Scientific

Lancaster, PA

- Spearheaded the development, maintenance, and enhancement of APIs utilizing Spring Boot framework, employing microservices design principles including Config Server, API Gateway, and Circuit Breaker patterns.
- Translated and optimized an automated service responsible for reading and writing DNA test data, transitioning from JavaScript to Java utilizing the Spring Boot framework, improving performance and maintainability.
- Played a key role in the front-end development of a DNA test portal using ReactJS, contributing to the creation of intuitive user interfaces and seamless user experiences.
- Collaborated with cross-functional teams to develop new components for a DNA web application, leveraging Redux Sagas to manage complex asynchronous operations and state management effectively.

Software Engineer

12/2021 – 08/2022

American Express

New York, NY

- Contributed to the reward program team as a backend engineer, employing Java as the primary programming language to code, test, and troubleshoot errors within the web application, ensuring its functionality and reliability.
- Played an integral role in the development and maintenance of RESTful APIs, implementing best practices such as versioning, remote configuration server integration, circuit breaker patterns, and API gateway, resulting in improved API response times and enhanced codebase readability.
- Collaborated on the development and maintenance of RESTful APIs, facilitating seamless integration with the AMEX reward program website, thereby enhancing the overall user experience and functionality.
- Implemented unit tests and integration tests for backend functionalities, ensuring code reliability, identifying potential issues early in the development cycle, and maintaining high software quality standards.

Software Engineer

02/2020 – 11/2021

Infotech

Gainesville, FL

- Completed comprehensive company training program for new developers, acquiring proficiency in C# programming language and the .NET framework, thereby expanding technical skill set and contributing to project capabilities.
- Played a key role in the software development lifecycle, participating in design sessions, coding tasks, rigorous testing, debugging, and documentation efforts, adhering to Test Driven Development (TDD) practices to ensure code quality and maintainability.
- Collaborated effectively through pair programming sessions, actively engaging with team members to enhance software design, streamline implementation processes, and foster knowledge sharing and team cohesion.
- Leveraged Test Driven Development (TDD) methodology to iteratively develop and integrate new features into the application, ensuring robustness, reliability, and adherence to project requirements.

Software Engineer

08/2019 – 01/2020

Florida Blue

Jacksonville, FL

- Developed a comprehensive medical claims statistics dashboard from inception to deployment, leveraging Java within the Spring Boot framework for backend programming, Microsoft SQL Server for data storage, and ReactJS for the user interface.
- Designed and implemented intricate backend functionalities using Java and Spring Boot framework, ensuring seamless data processing and efficient system performance.
- Utilized advanced SQL techniques to develop complex queries and stored procedures in Microsoft SQL Server, optimizing data retrieval and manipulation processes for the medical claims dashboard.
- Developed RESTful APIs to enable seamless interaction with the medical claims database, facilitating functionalities such as data saving, updating, and retrieval, and ensuring smooth integration with the dashboard interface.

Senior Software Engineer

10/2015 – 07/2019

Mindtree

Gainesville, FL

- Contributed significantly to various projects, offering innovative solutions and developing high-quality code to meet client requirements and project objectives effectively.
- Employed Agile methodology to ensure efficient project management and timely delivery of tasks, actively participating in sprint planning, story development, and task completion to meet project goals and deadlines.
- Developed XSLT code to facilitate seamless communication between disparate systems by modifying XML files, ensuring smooth interoperability and data exchange.
- Served as a backend developer for an airline company, utilizing technologies such as Spring Boot, Hibernate, and SQL to deliver efficient and reliable solutions for critical business functionalities.

EDUCATION**Bachelor of Science in Computer Science**

University of South Florida

2015

Tampa, Florida