**Francisco Saravia**

**Senior Full Stack & Software Engineer**

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**SKILLS\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* Java, SQL, Python, C#, JavaScript, TypeScript
* J2EE, Spring, SpringBoot, Spring Security, Java EE, Django, Flask, Angular, React, Redux, Graphql
* AWS, GCP, Azure, CI/CD, UnitTesting, Pytest, Junit, Jest, Cucumber, Lambda, Docker, Kubernetes
* Jetty, Tomcat, JBoss, Weblogic, Maven, Git, Jenkins
* Oracle, MySQL, DB2, PostgreSQL, MongoDB, SOAP, RESTful Web Services, Agile methodologies

**EXPERIENCE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Full Stack Engineer** HyperSense Software Inc **May 2021 – Presen**t Chicago, IL

* Led the implementation of new features and projects, defining project structures and ensuring seamless integration with existing systems.
* Contributed to the development and optimization of Back-End systems, utilizing Python, Java, and Flask frameworks to deliver high-quality solutions.
* Designed and implemented intuitive user interfaces using React.js, JavaScript, TypeScript, HTML, and CSS, enhancing user experience and engagement.
* Managed and maintained PostgreSQL databases, ensuring data integrity and accessibility for internal and external stakeholders.
* Leveraged Docker for containerization and AWS services (S3, DynamoDB, Cognito, EC2) for product deployment and scalability.
* Spearheaded the design and development of edge deployment processes, Back-End APIs, and customer-facing Front-End interfaces for innovative tech solutions.
* Successfully led the design and development of a microservice architecture for a complex, high-traffic financial transaction platform, resulting in a 40% improvement in system scalability and reliability.
* Managed and optimized PostgreSQL databases for high-traffic web applications, reducing query response times by 30%.
* Developed and maintained several high-performance, scalable Java/Spring applications that supported over 500,000 concurrent users, significantly reducing downtime and enhancing user satisfaction.
* Designed and implemented robust backup and recovery procedures, ensuring 99.9% data availability.
* Completed integration projects using AWS Lambda and REST APIs, enhancing system functionality and user interaction.
* Led the CI/CD pipeline setup using Jenkins and GitLab, which shortened release cycles by 70% and improved code quality through automated builds, tests, and deployments.

***Full Stack Engineer***TXI **Apr 2015 – Apr 2021** Chicago, IL

* Developed and maintained high-traffic web applications using Java technologies, Tomcat, and JBoss, meeting stringent performance metrics.
* Advocated for and implemented CI/CD practices using Jenkins and AWS tools, improving deployment processes and development cycles.
* Led the migration of existing JavaScript projects to TypeScript, enhancing code quality and maintainability, and reducing runtime errors by 40%.
* Engineered and optimized transactional systems using SQL Server, achieving a 50% increase in processing speed and a 25% reduction in data retrieval times for critical business operations.
* Integrated Hazelcast caching modules to existing financial services applications, which decreased load times by up to 60% and dramatically improved the end-user experience.
* Championed a TDD approach and implemented Selenium and Jasmine for automated testing, which reduced bugs at the production level by 45% and streamlined the development process.
* Managed multiple development projects under the Agile/Scrum methodology, consistently delivering ahead of schedule and under budget while achieving high customer satisfaction rates.
* Developed a comprehensive training program for junior developers in Java, Angular, and microservices, increasing team productivity by 20% and reducing onboarding time by 50%.

**EDUCATION\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

*University of Chicago (Sep 2009-Apr 2014)*

*Master’s degree, Information Technology*