**Francisco Saravia**

**Senior Full Stack & Software Engineer**

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

* Java, SQL, Python, C#, JavaScript, TypeScript
* Spring (Boot, Security), Django, Flask, React, Angular, Redux, GraphQL, Hadoop, Spark
* AWS (Lambda, EC2, S3), Azure, GCP, Docker, Kubernetes, Jenkins, CI/CD
* Spark, Hadoop, Hive, Kafka, Kinesis
* TensorFlow, PyTorch, Machine Learning Pipelines
* Oracle, MySQL, PostgreSQL, MongoDB, Cassandra, Redis
* JUnit, Pytest, Jest, Selenium, Agile, Scrum

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

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

* Led the design and implementation of scalable software solutions using Java, SpringBoot, and cloud technologies, enhancing the company's service offerings.
* Spearheaded the end-to-end development of an Angular-based client management system for a leading financial services company, enhancing client engagement and operational efficiency by over 30%.
* Managed and optimized PostgreSQL databases for high-traffic web applications, reducing query response times by 30%.
* Led the development of real-time financial services applications using Spark and Kafka, improving transaction processing speed and reliability.
* Designed and implemented scalable cloud-based solutions on AWS, optimizing service deployment strategies which led to a 50% increase in deployment efficiency.
* Developed data pipelines and ETL processes for machine learning models in Python, enhancing predictive analytics capabilities.
* Spearheaded the integration of NoSQL databases (MongoDB, Cassandra) with existing systems to support high-volume, unstructured data needs.
* Enhanced system scalability by adopting microservices architecture, reducing downtime and improving response times under high traffic conditions.
* 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

* Managed and optimized large-scale, real-time applications using Java and Python, which supported over 1 million concurrent users.
* Led the development and deployment of applications using Hadoop and Spark, significantly improving data processing capabilities.
* Implemented robust machine learning pipelines using TensorFlow and PyTorch, which were integral in developing predictive models for client projects.
* Championed cloud migration projects to AWS, involving services like EC2, S3, and RDS, which streamlined operations and reduced costs by 30%.
* Developed and maintained high-performance, fault-tolerant applications and conducted regular technology reviews to ensure best practices in software development.
* Developed and maintained high-traffic web applications using Java technologies, Tomcat, and JBoss, meeting stringent performance metrics.
* 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.
* Managed multiple development projects under the Agile/Scrum methodology, consistently delivering ahead of schedule and under budget while achieving high customer satisfaction rates.

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

*University of Chicago (Sep 2009-Apr 2014*

*Master’s degree, Information Technology*