

JULES SANCHES

PRINCIPAL SOFTWARE
ENGINEER | TECH LEAD

Main Skills

[Java, Spring, MySQL, PostgreSQL](#)

● ● ● ● ● ● ● ● (16 yrs)

[Javascript, Node.js, NoSQL, MongoDB](#)

● ● ● ● ● ● ● ● (14 yrs)

[Python, Flask, Django](#)

● ● ● ● ● ● ● ● (4 yrs)

[TypeScript, React, Angular](#)

● ● ● ● ● ● ● ● (10 yrs)

[AWS, Lambda, SQS, S3, REST, gRPC, Kafka, Docker, Kubernetes](#)

● ● ● ● ● ● ● ● (8 yrs)

[ML/AI Integration and Automation, OpenAI API, AWS Claude/SageMaker](#)

● ● ● ● ● ● ● ● (3 yrs)

Education

MS in CS - Machine Learning

Georgia Tech, Online, 2025


BS in Computer Science


PUCRS, Brazil, 2010

Java Spring Certified Professional

Pivotal, 2018

Contact

 Austin, Texas - USA

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Profile

Experienced leader with 20+ years driving impactful software solutions and fostering innovation. Passionate about team growth, mentorship, and a people-first approach. Beyond work, I volunteer, create music, and compete in padel.

Leadership & Mentorship Roles

[Principal Software Engineer](#)

[Snaplogic Inc. - Remote, US](#)

Jan 2024 - present

- Led a 5-engineer team to integrate GenAI APIs (OpenAI, AWS Claude/Bedrock) using Java and Python.
- Created a conversational UI for defining ETL pipelines through natural language, automating backend descriptor generation.
- Designed and maintained backend systems to execute user-defined ETL pipelines, integrating a visual UI with scalable infrastructure.
- Delivered scalable solutions integrating data pipelines using Kafka, Spark, Flink, Snowflake, and Redshift.

[Tech Lead](#)

[Seesaw Learning - Remote, US](#)

Sep 2022 - Apr 2023

- Developed Ed Tech solutions for kids, teachers, and parents using Python, React.js, Android, iOS, AWS, Rockset, and DynamoDB.
- Led unification of 3 codebases into a TypeScript/React app for iOS, Android, and web, driving alignment across 5 feature teams.
- Developed custom REST and GraphQL APIs, ensuring smooth delivery through requirement gathering and expectation setting.
- Created an automatic folder generator using Generative AI, tripling adoption and demonstrating product-focused innovation.

[Principal Software Engineer](#)

[Automatic Data Processing - ADP - Atlanta, US](#)

Jan 2013 - Sep 2021

- Led and functionally managed three global cross-functional teams across diverse HCM systems.
- Reviewed technical designs across 12 teams and 100+ engineers as part of ADP's architecture board.
- Transformed 20+ legacy payroll systems into modern Java/Spring Boot microservices.
- Built a Payroll Transparency data pipeline using Kafka, Spark, S3 and Neo4J enabling post-payroll analysis and AI insights.
- Delivered a \$200M revenue-generating enterprise document storage system integrated with 10+ global HCM products.
- Modernized a JSF monolith into 15+ Java/Spring REST APIs, boosting SaaS capabilities and B2B partnerships.
- Advocated TDD and BDD in Agile processes, driving continuous delivery excellence.



Professional XP (cont.)

Software Engineer (L5)

Instacart Inc. - Remote, US

Nov 2021 - Apr 2022

- Led backend API design for a B2B retailer platform, integrating Instacart's recommendation, shopper, and delivery systems.
- Delivered reliable, secure, and observable API services to enhance performance and user trust.
- Streamlined white-labeled solutions, driving scalability and customer satisfaction in retail operations.

Software Engineering Manager/Architect

Synergy Embedded - Porto Alegre, Brazil

Feb 2012 - Jan 2015

- Architected a Smart Street Light system for a startup that leveraged Zigbee mesh networks and LED street lamps, reducing energy consumption by 40%.
- Hired and managed 10+ software engineers helping build teams from the ground up.
- Authored a framework in C++ for code simulation on the PC, reducing testing cost by 60%.
- Shortened maintenance response time building a web monitoring and configuration application in Node.js.

Embedded Systems Engineer

Digitel S/A - Porto Alegre, Brazil

Apr 2008 - Aug 2011

- Coded firmware for 20+ enterprise network devices such as modems, routers and switches in C/C++.
- Solved IPC issues by building a secure messaging lib in C++, improving firmware reliability.
- Ported the Linux kernel to a re-usable PowerPC architecture reducing the time-to-market from 8 to 3 months.
- Reduced production costs by developing a firmware test suite on PCs using Linux VMs.

Business Owner

Powertech Informatica - Triunfo, Brazil

Dec 2004 - Dec 2005

- Assembled and sold computers and laptops for personal and commercial use, including government institutions via bids and contracts with the city government.
- Performed on-site technical support for local businesses, offering monthly subscriptions for recurrent customers.
- Coded the e-commerce website using PHP, Apache and MySQL.
- Mentored 2 interns on making efficient hardware and software repairs on customers' PCs.