Gilberto Santos

Principal Software Engineer

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SUMMARY

Principal Software Engineer, with over 18 years of experience, certified developer and continuously evolving and adapting to new technologies. Presently, my focus lies on cutting-edge technologies such as **Java, Spring Boot, Maven, Gradle, Node JS, React JS, Typescript, Nest JS**, **AWS, Serverless, Event-Driven Architecture, CI/CD, IaC, Docker, Kafka, Microservices,** and **Cloud computing,** culminating in my certification as an **AWS Cloud Architect**.

SKILLS

Back-End: Java, Node JS, Nes tJS, Typescript, Jest, Express.JS, PHP, Python, Go, PostgreSQL, Mysql, MongoDB, DynamoDB, Redis, Kafka, AWS Serverless, Event-Driven Architecture, Maven, Gradle, Npm, REST.
Front-End: React JS, Javascript, Remix, Next JS, Bootstrap, HTML5, CSS3, Javascript
Infrastructure: Git, GitActions, CI/CD, Linux, Docker, AWS, Cloud Formation, SAM, Apache, New Relic, Jenkins
Management: Agile Team, MOB, Pair Programming, 1:1, Code Review, JIRA, Presenting, Mentor, Lecture

PROFESSIONAL EXPERIENCE

Principal Software Engineer

Globalization Partners, Boston, US – Remote   May/2022 to Present

Core Responsibilities:

- *I'm leading a development team, designing and maintaining microservices and serverless functions.* Built & deployed blazing-fast serverless apps using event-driven architecture for scalable solutions.
- Mentor juniors through the company knowledge academy, fostering excellence.
- Champion clean & efficient code: Utilize reusable modules, and implement caching with Redis, and TDD.
- Facilitate weekly meetings on tech advancement & scrum refinement.
- Managing 2 teams, code reviews, 1:1, technical support, and presenting.

Accomplishments:

Manager Summary

Comment   Gilberto as Principal Engineer, has demonstrated a strong technical ability throughout the year, delivering two key initiatives that have significantly contributed to the success of our organisation. In the first half of the year, Gilberto led the delivery of the "Equity at Scale" initiative.

In the second half of the year, Gilberto shifted his focus to the "Professional Onboarding Pilot Beta" project. He demonstrated his leadership skills by successfully leading the team through the complexities of launching a product on the Nova Tech stack under an aggressive timeline. Being one of the first teams to do so.

Key Technologies and Tools: Java, Node JS, Nest JS, Javascript, Typescript, React Js, Next JS, SpringBoot, AWS, Restful API, Maven, Gradle, Jenkins, Sonar, Clean-Code, Hexagonal Architecture, IntelliJ, JUnit, JIRA, Docker, Git.

Senior Software Engineer

TD Securities, Toronto, CAN – Remote   October/2020 to May/2022

Core Responsibilities:

- A pivotal member of various teams, spearheading the design and execution of UI using React JS, alongside Java and Docker for back-end microservices.
- Led the transition of a banking application from a C# desktop to a modern microservices architecture.
- Enhanced the user experience with React JS, creating a more intuitive and engaging front end.
- Designed and implemented our CI/CD pipeline.

Key Technologies and Tools: Java, React JS, SpringBoot, C#, Restful API, Gradle, Jenkins, Sonar, Clean-Code, IntelliJ, JUnit, JIRA, Jenkins, Docker, Git, BitBucket, Azure Cloud.

Freelance Lecturer:

Dublin Coding School, Dublin, IRELAND   January/2022 to Present

I have a personal passion for helping new freshers join the world of software development. In the evenings, I have assisted many of them in achieving their goals. I use my expertise to design and deliver engaging lectures, workshops, and hands-on exercises covering a wide range of topics, including front-end and back-end development, databases, version control, and deployment strategies. I'm using programming languages such as **JavaScript**, **PHP**, and **HTML/CSS**, and frameworks like **React**, **Node.js**, and **Express**. I am also creating an online course about back-end development using **Nest JS with TDD and Clean Architecture**, as well as **AWS Lambda Serverless with Nest JS**.

App Tech Lead Engineer

Citibank, Dublin, IRELAND   October/2017 to April/2020

Core Responsibilities:

- Following my promotion to App Tech Lead Engineer, I assumed the responsibility of leading a global development team comprising 10 developers, tasked with maintaining three of CitiBank's largest projects within the Account Services domain: eDocs, eSigner, and eSearch. These projects, spanning over a decade, faced significant quality issues and needed standardized processes or CI/CD implementation.
- Led CI pipeline implementation, enforced quality standards, and achieved a 50% increase in product quality, reducing maintenance costs and boosting business value.
- Designed & implemented a groundbreaking NLP & OCR solution in Java, enabling accurate signature recognition and improving data processing efficiency.
- Regularly mentored junior developers through 1:1s, online sessions, and educational materials, empowering their growth

Key Technologies and Tools: Java, SpringBoot, Hadoop, HDFS, Apache Spark, Cloudera, Impala, Kafka, MongoDB, Oracle DB, Restful API, Gradle, Jenkins, Sonar, CheckStyle, Clean-Code, Eclipse, JUnit, JIRA, uDeploy, TeamCity, Docker, Git BitBucket, Google Cloud.

Senior Software Engineer

IBM, Dublin, IRELAND   December/2015 to February/2017

Core Responsibilities:
- I embarked on a rewarding journey with IBM Watson Health, contributing to an innovative and technically challenging project team, and leveraging my expertise.
- Mastered full software development lifecycle in agile environments, from requirements to testing, ensuring quality and timely delivery.
- Balanced independent work with seamless teamwork, driving project success through active collaboration.
- Committed to continuous learning and improvement, fostering individual and team capabilities.
- Analyzed user needs, enhanced, and programmed Java features for a web app serving 5 million users globally.

Key Technologies and Tools: Java, EJB, Selenium, Restful API, IBM Database, Maven, Jenkins, Sonar, CheckStyle, Clean-Code, Eclipse, RSA, JUnit, RTC.

Senior JEE Consultant

Montreal, Brasilia, BRAZIL   August/2013 to April/2014

Core Responsibilities:
- Pioneered an agile environment, leading knowledge sharing through courses and presentations.
- Kept the team updated on JEE and agile best practices, ensuring their skillset remained current.
- Championed a streamlined knowledge management system within the agile framework.

Key Technologies and Tools: JEE 5, JSF, JQuery, EJB3, Hibernate(JPA), JAX-RS, JSON, DB Oracle, JBoss, Tomcat, Git, Maven, Jenkins, Linux, Agile, SCRUM, TDD, Junit, TestNG Eclipse, JIRA, UML.

Senior Team Lead Architect JEE

Cast Group, Brasilia, BRAZIL   March/2013 to August/2013

Core Responsibilities:
- Supported a 12-person team, leveraging cutting-edge technology for project innovation and excellence.
- Designed and implemented internal training programs, boosting team capabilities and product quality.
- Implemented new features and enhanced legacy systems, prioritizing both innovation and improvement.
- Fostered an environment that values ongoing learning and proactive improvement, exceeding expectations and maintaining a competitive edge.

Key Technologies and Tools: JEE 5, JSF, JQuery, EJB3, Hibernate(JPA), JAX-RS, JSON, DB Oracle, JBoss, Tomcat, Git, Maven, Jenkins, Linux, Agile, SCRUM, TDD, Junit, TestNG Eclipse, JIRA, UML.

Senior JEE Developer

Sapientia, Brasilia, BRAZIL   August/2012 to February/2013

Core Responsibilities:
- Convinced customers to adopt Java, influencing project decisions and aligning with best practices.
- Designed robust Java solutions with EE, JSF, and Spring Boot, ensuring seamless integration and TDD.
- Managed and configured continuous integration processes, optimising development efficiency.
- Effectively explained the benefits of Java technology, securing its adoption within projects.

Clear
clearKey Technologies and Tools: JEE 6, Spring Core, Spring Security, Spring MVC, JSF2, CDI, JQuery, EJB, Hibernate(JPA), JUnit, TestNG, Maven, SVN, RESTful Web Services.

Senior Java Developer

Indra Politec, Goiania, BRAZIL   July/2009 to March/2011

Core Responsibilities:

- Spearheaded the development of a groundbreaking software solution using Google Maps API.
- Enabled users to identify critical city areas needing attention, like infrastructure maintenance.
- Integrated Adobe Flex for UI and Java/JSF for the backend, ensuring smooth performance.
- Adhered to CMMI Level 3 standards, guaranteeing high-quality development and project management.

Key Technologies and Tools: Adobe Flex 3, JSF1, JSP, Java, Tomcat, JBoss, Maven, ANT, SVN.

Senior PHP Full-stack Software engineer.

SENAC, Goiania, BRAZIL   February/2007 to March/2009

Core Responsibilities:

- Skilled in PHP for user-heavy educational systems and Java for building custom CMS solutions.
- Proficient in PostgreSQL and relational database management for efficient data handling.
- Ensure seamless operation and optimal performance of educational platforms and CMS.
- Cater to diverse user needs while maintaining high standards of functionality and reliability.

Key Technologies and Tools: PHP, HTML, CSS, Javascript, Java, Apache, Linux.

EDUCATION

MBA, Go Expert

FullCycle, Sao Paulo, SP, BRAZIL   May/2024 to Present

- **Relevant coursework:** Building professional applications with high performance
- **Bachelor Thesis:** Golang Expert

Degree, Software Development

PUC GO, Goiania, GO, BRAZIL   February/2008 to December/2012

- **Relevant coursework:** Web Development, Software, and Networking
- **Bachelor Thesis:** Microservices development

MBA, Service Oriented Architecture

UNIERO, Brasilia, DF, BRAZIL   January/2012 to December/2013

- **Relevant coursework:** Service Oriented Architecture for Microservices
- **Bachelor Thesis:** Microservices development

CERTIFICATES/COURSES

Oracle Certified Expert, Java EE 6 Web Component Developer

Oracle, Brazil   March/2015

Oracle Certified Professional, Java SE 6 Programmer

Oracle, Brazil   February/2011
AWS Certified Solutions Architect – Associate
Dublin, Ireland   July/2023

LANGUAGES
- **Portuguese:** Native
- **English:** Fluent

NATIONALITIES
- **Irish Citizenship (EU)**
- **Brazilian Citizenship (LATAM)**