Johnathan Santiago

641-819-1383 | johnathan-santiago@outlook.com | https://www.linkedin.com/in/johnathan-santiago

Software Engineer with 6+ years of experience specializing in Java and Cloud technologies. Expert in web application design, Agile development methodologies, project management, mentorship, and peer programming. Technology enthusiast and quick learner.

Education

- MS Computer Science - Maharishi International University (MIU) – Fairfield, IA, USA – June 2023
- BS Information Systems - Rio Grande do Norte University Center (UNI-RN) – Natal, Brazil - January 2016
- Technical Residency Specialization in Legal IT – Federal University UFRN – Natal, Brazil - October 2019
- Associate Cloud Engineer Certified, Google - 2MU9a4 - December 2022

Skills

- Technical: Java, JavaScript, C#, Python, Spring, Quarkus, .Net, Cloud Computing (GCP, PCF, AWS), Microservices, Docker, Kubernetes, Neoload, Redis, Cucumber, Relational/ NoSQL DBs, RabbitMQ, Wiremock, Junit, SOAP, REST, GraphQL, Vault, React, Angular 2+, HTML, CSS, Github Actions and Concourse Pipelines, Bash Script, Jest, Jira, New Relic, Grafana, Linux.
- Language: Fluent in English and Portuguese

Professional Experience

Grid Dynamics (Contractor for The Home Depot)   October 2021 - Present
Software Engineer   US - Remote
- Architected a robust daily CRDB snapshot feature on GKE using secure JavaScript automation, ensuring 100% uptime and seamless data availability for critical business operations.
- Redesigned legacy Spring Boot REST API, integrating GraphQL and REST hybrid model. Resulted in 20% code maintainability improvement by eliminating nesting and enhancing readability.
- Streamlined auto-scaling efficiency by transitioning to a more advanced CPU type on Google Cloud VMs, dramatically cutting bootup CPU usage from 80% to 25%, thus preventing premature scale-ups.
- Boosted API throughput by 50% and slashed latency from 150ms to 30ms through connection pool optimization and implementation of a Redis cache layer.
- Applied Cucumber-JVM for secure feature migration between legacy and new API, achieving feature parity with 50% less validation time. Increased quality assurance via unit testing, improving code coverage by 80%.
- Amplified product recommendations and user engagement by integrating an internal API tracking users' recently viewed products, driving a 21% increase in banner display frequency.

North-Rio-Grandense Research and Culture Foundation (Contractor for UFRN)   June 2019 - January 2021
Software Developer   Natal, Brazil
- Increased user security and efficiency in SIPAC and SIGAA (Brazilian university tools) by enforcing advanced password rules in SIGADMIN.
- Played a key role in a multi-team effort, collaborating with senior developers and software architects, to transition from JNDI to RabbitMQ for data sync. Achieved a 10% reduction in hard dependencies and database connections, promoting non-blocking operations.
- Took initiative to maintain and enhance 'Inspectore' a testing software, following its launch. Stepped up after the lead's departure, addressed tester feedback, developed new features, and ensured seamless functionality.
- Coordinated with cross-functional teams to provide pivotal development support and timely updates to multiple licensed institutions, meeting a stringent two-week SLA.

Metropole Digital Institute - UFRN (Contractor for Court of Auditors)   October 2017 - May 2019
Software Developer   Natal, Brazil
- Implemented custom agile methodology across two projects, ensuring seamless project management, timely delivery, and high client satisfaction.
- Designed and developed "Legis", a norms and laws submission system, using C#, .NET, SQL Server, and Angular 2. Digitized auditing process, cutting validation time by 15%, and enabled public law access.
- Facilitated bi-weekly meetings with an internal department on two projects, streamlining communication and accelerating validation of deliverables by 20%, thereby exceeding client expectations.