GUILHERME RIBEIRO

LEAD SOFTWARE ENGINEER

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PROFESSIONAL SUMMARY

Experienced Lead Software Engineer with a strong track record of delivering innovative solutions across diverse industries. Proficient in leading Agile teams and managing complex projects, I specialise in translating abstract concepts into practical results. Noteworthy achievements include implementing best practices through exceptional project delivery and mentoring junior team members to foster growth and productivity. Additionally, I have optimised government portals and APIs for enhanced accessibility and spearheaded the implementation of cloud-native solutions. Committed to ongoing learning and embracing new technological advancements, I am dedicated to driving innovation and inspiring team excellence.

SKILLS SUMMARY

- Programming Languages: Java, JavaScript, Python
- Frameworks: Spring, Hibernate, Play
- Libraries: NodeJS, ReactJS, jQuery,
- Software Development Methods: Agile/SCRUM, Lean Start up
- Development Tools: Eclipse, NetBeans, IntelliJ, Visual Studio Code, Git
- Operating Systems: Linux, macOS
- Cloud Providers: AWS, GCP, Azure
- Management Skills: Project Management, Technical Leadership, Liaising with Stakeholders
- Leadership Strengths: Mentoring, Designing Training Materials, 1-1 Skills Training

EMPLOYMENT HISTORY

Kin + Carta - London, UK
Lead Developer/ DevOps - GOV UK   July 2022 – October 2023

- Led an Agile project team comprised of 8 software engineers in the rearchitecture of the gov.uk portals and APIs, prioritising improvements in accessibility and usability.
- Implemented continuous integration/continuous deployment (CI/CD) pipelines for 2 projects, resulting in a significant reduction in software release times by 3 weeks.
- Introduced unit testing and Test-Driven Development (TDD) methodologies, resulting in a 40% reduction in debugging time and enhancing overall software quality.
- Acted as a liaison between key stakeholders, including GOV UK and UX research teams, to develop accessible interfaces that meet regulatory standards and user needs.
- Successfully secured an additional £3 million contract to extend services for the client, demonstrating leadership in business development and client relationship management.
- Spearheaded the creation of serverless and cloud-native solutions in AWS, Azure, and Google Cloud, optimising scalability and reducing infrastructure costs.
- Conducted research and development, including Proof of Concept (PoC) initiatives with OpenAI, VectorDBs, and machine learning technologies, exploring innovative solutions to meet evolving project requirements.

Kin + Carta - London, UK
Senior Backend Engineer - NHS Digital   October 2020 - June 2022

- Co-led an Agile project team comprising 10 software engineers to develop a bespoke system.

- Designed and constructed an infrastructure empowering NHS staff to autonomously establish Covid test sites nationwide, resulting in a significant cost-saving of £2 million in taxpayer funds.
- Implemented DevOps practices to foster collaboration among team members, resulting in a 15% increase in project delivery speed.
- Leveraged serverless architecture utilising cloud providers such as AWS Lambda and Azure App Services, enhancing scalability and reducing operational overhead.
- Maintained end-to-end integration tests with Cypress, ensuring the reliability and functionality of the system throughout its lifecycle.

Culture Trip - London, UK   January 2020 – August 2020
Senior Java Developer/ DevOps

- Led the development of innovative products in the travel industry using Java 11/Kotlin, contributing to the company's strategic goals.
- Managed the maintenance and migration of multiple microservices, transitioning from a monolithic to a modern architecture.
- Played a key role in Agile development, participating in sprint planning, stand-ups, and retrospectives for timely delivery.
- Implemented a microservices architecture with Spring Boot and AWS SQS/SNS to enhance system performance and scalability.
- Provided mentorship and technical support to junior engineers, fostering a culture of continuous learning and skill development within the team.

Datto Inc. - Connecticut, USA
Senior Java Engineer / DevOps   October 2018 - January 2020

- Spearheaded the development of a new backend API utilising Spring/Java8 and frontend using React to modernise the user interface.
- Implemented comprehensive test cases using Mockito and Spring tests to ensure robustness and reliability of the system.
- Actively participated in Scrum ceremonies, including daily stand-up meetings and sprint planning sessions, to maintain project alignment and progress.
- Leveraged various AWS services for multiple aspects of the project, optimizing performance and scalability.
- Orchestrated the integration of desktop agents with a web portal tailored for medium-sized companies, enhancing accessibility and usability.
- Key projects include Connectwise integration and development of a new RMM (Remote Monitoring and Management) frontend, streamlining operations and improving client services.

Yoti - London, UK
Senior Java Engineer / DevOps   April 2018 - October 2018

- Leveraging microservices architecture with Spring Boot and PostgreSQL, ensuring scalability and maintainability.
- Implemented test-driven development (TDD) and behaviour-driven development (BDD) methodologies, utilising tools such as Cucumber, to ensure comprehensive test coverage and high software quality.
- Designed and developed a test environment using Docker Compose, enabling efficient testing and deployment of microservices in a controlled environment.
- Collaborated with cross-functional teams to prioritise features and enhancements, translating business requirements into technical specifications and actionable tasks for the engineering team.

Stage Intelligence - London, UK
Senior Java Engineer / DevOps   November 2016 - April 2018

- Maintained and enhanced the JavaEE web application stack, utilising technologies such as PostgresSQL, JPA, Hibernate, Eclipse Link, JSF, Primefaces, and AJAX.
- Managed the core application responsible for processing data from third-party APIs, ensuring its continued functionality and optimisation.
- Oversaw maintenance tasks for an Android application, ensuring its compatibility and performance.
- Developed and executed tests following best practices using Arquillian, JUnit, TestNG, and Hamcrest.
- Managed the Bico Console and Core, overseeing operations related to bike-sharing scheme management.
- Led the migration from monolith to Microservices as part of the DevOps initiative.
- Created service layers utilising EJB, JPA, and Hibernate to improve modularity and maintainability.
- Dockerised applications to improve deployment efficiency and scalability.
- Designed and implemented internationalisation architecture to support multiple languages.
- Generated reports to provide insights into system usage and performance

Supero IT - Florianópolis, Brazil

Lead Java Engineer   March 2014 – February 2016

- Leading the development effort across the full Java Enterprise Edition (JEE) application stack, ensuring seamless integration and robust functionality.
- Translating abstract specifications into executable code, driving project progress efficiently.
- Mentoring junior developers to overcome technical hurdles and elevate team productivity.
- Designing customised training materials for new recruits, facilitating rapid skill acquisition.
- Guiding a unified team in optimising system performance and spearheading the development of independent services.

Smartbill S.A - São Paulo, Brazil

Jr. Java / PHP Developer   May 2012 – March 2014

- Spearheading development across a diverse range of websites and web applications.
- Generating and delivering testing reports as needed.
- Facilitating stakeholder meetings to enhance the business model.
- Developing APIs using SOAP, JavaEE6, and Oracle for Smartbill.
- Creating web clients with ZK Framework and Jetty.
- Building the Smartbill website and documentation using PHP, MySQL, HTML5, JavaScript & CSS.
- Integrating vendor APIs into client applications.
- Maintaining legacy Smartbill systems with ASP/VB6.
- Managing tasks and daily meetings using Jira Kanban.
- Handling environments on Amazon AWS EC2 and S3.
- Developing CMS, websites, and mobile apps in PHP and Java.

EDUCATION & CERTIFICATIONS

2009 – 2013 BSc Computer Science, First Class - University of São Paulo (UNIP) Brazil
2022 – GCP Cloud DevOps Training - Google Offices King's Cross
2014 – Global Code Architect Academy
2014 – Oracle Enterprise Master Architect JavaEE 7
2014 – Global Code Java Academy