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(LinkedIn)

www.joaovrmaia.com (Personal)

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Top Skills

Go (Programming Language)

Project Management

Visual Basic

Languages

English (Professional Working)

Certifications

Certified FunRetro Facilitator

Product Essentials

Flight Levels Systems Architecture

Certified Exponential Leader

FinTech: Foundations, Payments,
and Regulations

João Maia

Engineering Manager | Tech Manager | Data | Product | Fintech
Vitória, Espírito Santo, Brazil

Summary

12+ years | Software and Data Engineering

4+ years | Leadership role

6+ years | Fintech (Acquiring, Credit Card, Banking, Open Finance)

With over ten years of experience in software engineering, data engineering, and technology management, I'm a seasoned professional who delivers data and software solutions for the fintech and e-commerce domains. I'm a Software Engineering Lead at Dock, a fintech company that provides issuing and acquiring solutions for various businesses and platforms.

My core competencies are data management, software engineering, and technology leadership. I translate business requirements into practical solutions, drive innovation, and deliver high-quality results. I have successfully led teams and implemented solutions in various organizations using Go, Python, Java, AWS, Google Cloud, PCI DSS environments, data pipelines, microservices, and web development. I'm passionate about empowering my team members, facilitating their growth and development, and proposing new architectures and solutions to prepare for growth scaling and technical debt resolution.

Experience

Dock

Software Engineering Lead

June 2023 - Present (2 years 8 months)

Vitória, Espírito Santo, Brazil

I oversee the Authorization & Clearing OnUs platform, which authorizes private label transactions and other operations for credit and debit cards. In this role, I manage Software and Quality Engineers, provide customer support, and collaborate closely with the Technical Product Owner on backlog prioritization.

Additionally, I am responsible for managing the authorization tribe's on-call schedule.

Quanto

Head of Data

September 2021 - April 2023 (1 year 8 months)

Vitória, Espírito Santo, Brazil

Led the growth and structuring of the data team, encompassing Data Governance, Data Platform, and Data Insights, expanding from 2 to 12 engineers. Facilitated daily retrospectives and planning ceremonies. Conducted 1:1 meetings with all team members. Supported career growth through individual development plans and formulated tactical OKRs for the data team. Proposed new solutions and architectures to address technical debt and scalability challenges. Translated business priorities into actionable team activities.

Pagar.me

1 year 9 months

Tech Manager | Platform

February 2021 - July 2021 (6 months)

Led the PCI DSS environment and API Gateway team, providing clear direction and mentorship to achieve team goals. Ensured a safe and productive work environment while supporting the career growth of team members. Managed infrastructure costs and tools, ensuring cost-effective and efficient operations. Reported results using the Flighting Levels framework and authored comprehensive documentation for compliance and other purposes.

Key responsibilities included guiding team members, maintaining compliance with PCI DSS standards, and optimizing infrastructure management. My leadership and strategic planning contributed to improved team performance and successful project outcomes.

Tech Stack: PCI DSS, API Gateway, Infrastructure Management, Flighting Levels Framework.

Software Engineer

November 2019 - February 2021 (1 year 4 months)

Remote

Maintained a legacy PCI DSS-compliant environment, implementing best practices in software engineering and DevOps to ensure security and

compliance. Primarily developed applications using Go and managed the API Gateway with OpenResty and Lua. Leveraged a tech stack based on HashiCorp tools, including Nomad, Consul, and Vault, for robust service orchestration and management.

Deployed infrastructure on AWS using Infrastructure as Code (IaC) to achieve efficient, repeatable, and scalable deployments. Actively contributed to incident response, collaborating closely with the DevOps team to enhance system reliability and performance.

Tech Stack: Go, OpenResty, Lua, Nomad, Consul, Vault, AWS, Infrastructure as Code (IaC).

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1 year 4 months

Solutions Architect

June 2019 - October 2019 (5 months)

Vitória, Espírito Santo, Brazil

Led the migration from On-Premise and Oracle Cloud infrastructure to AWS, implementing a DevOps culture and transitioning from virtual machines to Linux containers using AWS ECS. Managed AWS accounts and designed network architecture to ensure secure, scalable, and efficient cloud operations.

Tech stack includes Docker, AWS, Oracle Cloud, ECS, Packer, Ansible, Terraform, and Python, leveraging these tools to automate and optimize infrastructure deployment and management.

Data Engineer

July 2018 - June 2019 (1 year)

Vitória, Espírito Santo, Brazil

I successfully led the migration of a legacy Business Intelligence architecture to a modern data pipeline. Utilizing Pentaho Data Integration, I moved data from Oracle Database to AWS Redshift, ensuring efficient and scalable data management. I integrated third-party services to provide new business insights, significantly enhancing data-driven decision-making.

I replaced Tableau with Metabase, empowering team members to interact with and analyze data more effectively. My responsibilities included conducting data analysis for fraud detection, money laundering, customer behavior, and

other critical areas, driving strategic business actions. Additionally, I designed a robust Data Lake to support diverse data storage needs.

Tech Stack: Docker, Tableau, Oracle Database, Redshift, Jenkins, Pentaho Data Integration (Kettle), Python, Jupyter Notebooks, AWS Lambda, AWS EC2, AWS DocumentDB, RDS (Postgres), AWS API Gateway, Metabase.

Wine.com.br

Software Engineer

February 2018 - July 2018 (6 months)

Vitória, Espírito Santo, Brazil

I have developed web crawlers using Ruby, enabling efficient data extraction from various online sources. My expertise includes creating Python notebooks for analyzing diverse datasets, providing valuable business insights and data-driven decision-making.

I have provisioned Docker Jupyter Lab servers to facilitate collaborative work among team members, enhancing productivity and knowledge sharing. My experience in microservices architecture involves using API Gateway, Lambda, Cognito, and DynamoDB, ensuring scalable and secure service deployments.

B2W Digital

Software Engineer

August 2016 - January 2018 (1 year 6 months)

Rio de Janeiro Area, Brazil

I have extensive experience in developing and deploying microservices using Go and Java, ensuring scalable and efficient backend services. My expertise extends to building robust WebApps with Node.js and React, delivering responsive and dynamic user interfaces.

In the realm of Big Data, I have processed data pipelines with Spark on AWS EMR, leveraging the power of distributed computing for large-scale data analysis. My proficiency with databases includes writing efficient queries for both MongoDB and Cassandra.

I have designed and maintained Kibana dashboards for real-time data visualization and insights. Additionally, I have deployed applications using Mesos/Marathon, utilizing Bamboo CI for continuous integration and delivery.

For monitoring and performance analysis, I have implemented New Relic, ensuring optimal application performance and quick issue resolution. In our recent projects, I successfully used Go for developing new APIs and Node.js for web application development, achieving great success.

Furthermore, I have set up and managed development environments with Docker and Docker Compose, streamlining the development and deployment process.

Intelie

Software Engineer

May 2013 - August 2016 (3 years 4 months)

São Paulo Area, Brazil

I have extensive experience in Ruby on Rails development using JRuby, which has enabled the creation of scalable and efficient web applications. My expertise includes writing complex MySQL queries to support robust database operations.

In system administration, I have managed vSphere environments and administered Linux servers running CentOS and Ubuntu, ensuring optimal performance and reliability. I have also provisioned servers using Vagrant, Puppet, and Ansible on AWS and other platforms, streamlining deployment processes.

My frontend development skills include working with jQuery, Backbone, Angular, and React to create dynamic and responsive user interfaces. On the backend, I have developed Windows desktop applications using Python (with a focus on GUI development with Qt) and C++, demonstrating versatility across multiple programming environments.

I have provisioned Selenium Grid with Docker for automated testing, enhancing the efficiency of our testing processes. My database management experience extends to MongoDB, where I have both provisioned and written queries.

I have developed web applications using Node.js and Java, leveraging their strengths for server-side development. Additionally, I have built data extractors from various sources, including Google Analytics, Google Spreadsheets, Zendesk, SNMP, Twitter, and more, facilitating comprehensive data analysis.

For system monitoring, I have implemented machine stats collectors using Go. Furthermore, I have developed Ansible plugins with Python to automate configuration management tasks, enhancing our deployment and management capabilities.

Giran Ecommerce Solutions

Software Engineer

April 2012 - January 2013 (10 months)

Vitória Area, Brazil

I have extensive experience in Ruby on Rails development, building scalable and robust web applications. My frontend development skills include using jQuery and various plugins to create dynamic and interactive user interfaces.

In server management, I have provisioned servers using Bash scripts on Linode, ensuring efficient and automated deployments. Additionally, I am proficient in writing complex MySQL queries and performing database backup and restore operations to maintain data integrity and availability.

iMasters

Community Manager

September 2011 - April 2012 (8 months)

Vitória, Brazil

I have provided comprehensive support to developers working with APIs from PayPal, MoIP, and Buscapé, ensuring seamless integration and troubleshooting complex issues. My role involved writing detailed and informative articles for our portal, aimed at educating and guiding users on various technical topics.

Additionally, I reviewed and edited articles to ensure accuracy, clarity, and consistency, maintaining high-quality content standards. My responsibilities also included translation, enabling effective communication and content accessibility for a diverse audience.

UFES - Universidade Federal do Espírito Santo

System Administrator

April 2010 - March 2011 (1 year)

LPRM

I have extensive experience in configuring and maintaining both Ethernet and wireless networks, ensuring reliable and secure connectivity. My role

included configuring and maintaining various Linux services, optimizing server performance and security.

I have successfully implemented and managed a Wiki using MediaWiki CMS, facilitating effective knowledge sharing and collaboration within the organization. Additionally, I have developed and maintained websites using Drupal, providing robust and user-friendly web solutions.

My expertise also includes MySQL database administration, ensuring efficient database operations, performance tuning, and data integrity.

UFES - Universidade Federal do Espírito Santo

2 years 4 months

Research Student

July 2008 - July 2009 (1 year 1 month)

I have extensive experience in multiplatform development using Python, creating and maintaining applications across various operating systems. My role also involved configuring Oracle Grid Engine to optimize job scheduling and resource management in a high-performance computing environment.

I have a strong background in digital image processing, utilizing Matlab for various image analysis and manipulation tasks. Additionally, I have configured and managed LDAP directories, ensuring secure and efficient user authentication and authorization across the network.

System Administrator

April 2007 - July 2008 (1 year 4 months)

Informatics Department

I have extensive experience in configuring and managing Linux servers, including setting up and managing firewalls using Iptables, configuring network services such as Bind (DNS), DHCP, NIS, and NFS, and installing and managing web and proxy servers like Apache, Dansguardian, and Squid. I am proficient in database administration, managing both MySQL and PostgreSQL databases.

In addition to my Linux expertise, I possess in-depth knowledge and hands-on experience with FreeBSD and OpenBSD servers, ensuring secure and reliable server operations. I have also utilized System Imager to efficiently clone machines, optimizing deployment processes. My experience includes

managing and maintaining Xen servers, enhancing server utilization and resource allocation.

Education

Universidade Federal do Espírito Santo (Oficial)

Computer engineering, Computer Engineering · (2005 - 2011)