

YURI "FLAGRARE" GUIMARÃES

SOFTWARE ENGINEER

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 [Flagrare](#)

Nothing connects people more than stories. With 4+ years of experience conceptualizing, designing, and developing data-driven applications in the Biotech, EdTech, Industry, and Engineering fields, I believe *data* is one of the most powerful tools for storytelling as it gives meaning and context to reality and propels innovation. I am a Full Stack Software Engineer, a data applications specialist, and a Product Owner, with 13+ years of experience working with technology. I hold a bachelor's degree in Mechanical Engineering from the Federal University of Minas Gerais (Brazil) and a Technician-level formation in IT. Having worked at many companies, among traditional enterprises, startups, and multinationals, with a wide variety of programming languages and technologies across multiple projects and disciplines, I embed different views and corporate environmental cultures, which I convert into a plurality of ideas, transversal knowledge, and creative solutions that back precise analysis and strategic decisions. I believe in a world where everyone's chronicle matters and stories can bring us together when we need each other most, that's why, outside of work, I am also an author passionate about writing and creating engaging narratives and books. Right now, I am looking for a challenging opportunity where I can leverage my technical and storytelling skills.

WORK EXPERIENCE

DELIBERATE AI •  Nov. 2021 - Present

Biotechnology Research • *Small startup* •  *New York, NY, USA*

Senior Full Stack Software Engineer

Nov. 2022 - Present

As a senior engineer I have not only development tasks, but also DevOps, Cybersecurity and Automation among others:

- Implemented multiple cybersecurity and data integrity measures to AWS infrastructure using resources such as AWS WAF, Macie, Guard Duty, SNS, database backups, and SSL connection enforcement.
- Integrated and implemented multiple infrastructure and software solutions that connected Data Science team AI projects to the healthcare solution using AWS resources (ECS/EC2, S3, SNS, Lambda).
- Fixed data pipelines and ETLs, migrated scattered data across documents to the database, and ensured data integrity and availability using Python.
- Developed and maintained multiple features for the mental healthcare solution using Kotlin (Spring Boot) and ReactJS.

Full Stack Software Engineer

Nov. 2021 - Nov 2022

Using Kotlin Spring Boot+ ReactJS I worked on multiple projects, including:

- Implemented a patient overview module, that provided insights and predictive analytics capabilities for health treatments.
- Developed multiple measurements and statistics capabilities over the patient and video therapy session data.
- Reimplemented more efficient upload features that used multipart streams and took advantage of AWS infrastructure.

HOTMART •  Nov. 2018 - Nov. 2021

EdTech • *Large scale up* •  *Minas Gerais, Brazil*

Backend Developer

Aug. 2020 - Nov. 2021

Worked on multiple data-delivering and tracking products in JAVA/Kotlin that helped information to become more accessible, assertive, and democratic across the company and to final customers.

I was also a member of two multidisciplinary cross-teams: the Automation and Project Managers Squad. Those improved processes and data reliability, efficiency, and productivity across the company.

- Developed and maintained an in-house business analytics application (similar to PowerBI) in Kotlin Spring WebFlux (Reactive/Streaming) and MongoDB. I worked from the stage of conceptualizing new features, coding, bug fixing, programming, writing unit and integration tests, and finally deployment. I was also responsible for documenting architectural decisions, APIs, and users' manuals to share knowledge.

EDUCATION

B.S. in Mechanical Engineering

Federal University of Minas Gerais (UFMG) • *Minas Gerais, Brazil*

Feb. 2011 - Jul. 2018

- **Undergraduate Thesis:** Industry 4.0 applied to Mechanical Engineering

Technician in IT

Federal Center for Technological Education of Minas Gerais (CEFET-MG) • *Minas Gerais, Brazil*

Feb. 2007 - Dec. 2009

SKILLS

PROGRAMMING: React.js, JavaScript, TypeScript, Kotlin, Java, Meteor, Node, Python, C, C++, C#, PHP, CSS, HTML

FRAMEWORKS: Spring Boot, Spring WebFlux, .NET Core

OS: Linux, Windows, MacOS

TECHNICAL TOOLS: Version Control (Git), AWS, Azure, NPM, Gradle, Maven, Docker, Jenkins, GitHub Actions, GitLab CI, Terraform, ORM (Hibernate), Jira

DATA: PostgreSQL, MySQL, MongoDB, Redis

SOFTWARE ENGINEERING: Objected Oriented Programming, Infrastructure as Code, REST APIs, Scrum, Kanban, Agile, Waterfall, DevOps, Cybersecurity, Cloud Environment, Git Flow, Unit Tests, Integration Tests, BDD, TDD

- Automated Python and NodeJS scripts to update data from the company CRM and send NPS surveys to every company customer once a trimester.
- Provided methodological and tooling support to business teams in structuring and/or improving their projects and processes according to their needs as a Project Manager consultant.

Frontend Developer

Aug. 2019 – Oct. 2020

Worked in multiple data-delivering and data-tracking products powered by ReactJS that helped users improve their selling product insights and allowed the company to access data across teams and systems to generate decision-making information.

- Developed and maintained features and implemented a completely new interface for an in-house data & analytics reporting app that offers data warehouse capabilities including data preparation, data discovery, and interactive dashboards. It was a business analytics service that aimed to provide interactive visualizations and business intelligence capabilities with an interface simple enough for end users to create their reports and dashboards (similar to PowerBI).
- Developed a new interface for a data-tracking pixel app that manages multiple providers to be used in users' product selling pages (Facebook, Google Ads, etc.).
- Developed and maintained a completely new interface with many new and refactored features for an in-house data analytics app solution (like Google Analytics) for clients to track their product advertising.

PLANTSCANNER • Nov. 2018 – Aug. 2019

Industry 4.0 • Small startup •  Minas Gerais, Brazil

Full stack Developer

Nov. 2018 – Aug. 2019

- Replaced the whole C# ASP.NET Razor legacy frontend technology for ReactJS + Redux. The application was 95% lighter and faster. Detached frontend deployment from the backend, which improved deployment pipeline speed by 30 minutes and reduced bugs.
- Designed, created, and added new features for data visualizations, reports, and dashboards. Developed not only the front end but all backend *Model-View-Controller* (MVC) implementations as well. This increased the industrial plant's visibility and helped better manage the supply chain, industrial processes, and employees' shifts.

MCA AUDIT AND MANAGEMENT • Feb. 2010 – Feb. 2018

Business Consulting and Services • Large company •  Belo Horizonte, MG, Brazil

IT Engineering and TechOps Consultant

Mar. 2016 – Feb. 2018

- Developed smart Excel spreadsheets in VBA to improve the quality of engineering contract measurements and automate internal administrative processes. Reduced time to compile calculations to charge clients and assured more assertive metrics reducing budget losses and improving profit margins.

IT Engineering Product Owner

Apr. 2013 – Feb. 2016

- Owned the product roadmap for a large-scale Industrial Commissioning Management app, specified requirements, and performed functional analysis, detailed features, and technical specifications. Project was successfully delivered and within the needs of the company with 90% of features deadlines met.
- Acted as the liaison between the internal engineering team and the external software development consulting firm by doing constant meetings, writing tech documents, and drawing diagrams. Kept 95% of the original scope intact.
- Led a QA team that tested and commissioned the whole application and validated each feature. User experience, site reliability engineering, and stability achieved 100% of expectations and the official product launch had no critical bugs or problems for months.

TechOps Consultant

Feb. 2010 – Apr. 2013

- Prototyped a *Minimum Viable Product* (MVP) of a Capital Expenditure (CAPEX) Management software using Visual Fox Pro (VFP) after performing the business analysis and functional detailing of it for a Mining client. The business was properly modeled and documented for future implementation by a software development team.

LANGUAGES

Portuguese: Native

English: Near-native / fluent

Spanish: Basic communication skills / working knowledge