

GUI GONÇALVES

Staff Engineer with over a decade of experience building mission-critical systems in fintech and cybersecurity. I deliver impact by creating foundational platforms, like one that handled a 10x load increase on day one, and building developer tools that cut deployment times from days to hours. I excel at architecting scalable systems and taking ambiguous projects from concept to launch.

Work Experience

Funding Circle Engineering Manager

London, UK
Sep 2023 – Present

- Led the technical strategy that improved core system **MTBF from days to months**, championing a "zero defects" focus while still delivering on the product roadmap.
- Led a team of 8 engineers restructuring the loan applications funnel. The team cut costs in bureau pulls and operational burden by resequencing eligibility checks and pre-filtering applications through a lightweight regression model
- Guided a junior engineer to promotion by creating a development plan and securing high-visibility projects for them to lead.

Lead Engineer

Oct 2021 – Sep 2023

- Designed and built a real-time UI that gave the Risk team self-service access to credit strategies. The tool eliminated the need for constant developer support.
- Built a Domain-Specific Language (DSL) in **Ruby** for eligibility criteria. It cut the time for the team to implement new credit rules from several days down to a few hours.
- Launched a new, lighter-touch application journey for smaller loans that directly increased user conversion for that segment while sparing funnel team capacity

Software Engineer

Jul 2021 – Oct 2021

Joined a team rebuilding after layoffs, quickly taking ownership of the inherited systems while shipping new code, without the need of a formal handover.

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Citigroup Vice President (Tech Lead)

London, UK
Jul 2020 – Jul 2021

- Pioneered the team's first move to microservices by extracting a service from a core monolith and deploying it to **Kubernetes**. This successful proof-of-concept established a reusable pattern for modernization in a risk-averse environment.
- Took ownership of a critical, real-time data library built in **TypeScript** with a **Kafka Streams-style API**. I onboarded the new Trade Surveillance team onto this complex system, pairing with them directly to help integrate their first data feeds.

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Tractable Software Engineer

London, UK
Oct 2018 – Jul 2020

- Architected and built the foundational **"assessment platform,"** a reusable workflow engine for orchestrating visual and metadata classification tasks. This new design fixed critical reliability flaws that caused dropped data and added deep observability into the process.
- As the initial sole developer, I delivered the platform's first version, which handled a 10x growth in claims on its first day. As the team scaled from 1 to 7 engineers, I onboarded all new members, establishing the core technical patterns for the product.

- The platform's expressive, task-based design directly reduced the time to implement new quality checks from over a month to less than a week.

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Lastline (now VMware) Software Engineer

**Remote, US
Dec 2015 – Oct 2018**

- Owned the front-end and APIs for the '**NTA**' **skunkworks product**, taking it from an initial proof-of-concept to a production feature. My core contribution was a graph traversal UI that enabled security analysts to visualize intrusion stories and investigate lateral movement.
- Delivered other key features for the main security platform, including the entire device management interface and a new UI for exploring mail events.

Education

Federal University of São Carlos
Studied Industrial Engineering (*incomplete*)

São Carlos, Brazil
2010 – 2015