

# Marco Aurélio da Silva

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## Professional Experience

**Spot Metrics**, July 2018 – nowadays, Botafogo district, Rio de Janeiro;

Experience with Loyalty & Rewards, Gamification, CRM Systems, Data Science and the JavaScript language. We developed a smart CRM platform for brazilian's shopping centers that delivers campaigns over an algorithm that "cuts" our customer base and selects the proper channel (e-mail, SMS, push notifications, in-app banners) to send the marketing campaign, everything based on a real-time adherence index. We also developed a mobile application for our club customers to register their credit cards (for real-time transaction tracking) on an acquirer partnership integration (notifying us by the Point-of-Sales service) and for our customers to see the latest mall offers on their own mobile phones

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**Stone Payments**, October 2017 – March 2018, Cinelândia district, Rio de Janeiro;

Experience with Banking Systems, Blockchain & Smart Contracts, Domain-Driven Design and the Elixir programming language. I initially worked on an official partnership blockchain project to develop tools for formal verification of Smart Contracts using Dependent Types. Later, by they pivoting me at 2018, I worked on a Core Banking System API to be plugged on merchants' ERPs and to be later integrated by third-parties following the European Open Banking PSD2 regulation

## Education

**Technologist Degree on Analysis & Development of Systems**, January 2014 – nowadays;

Faeterj / IST-Rio college, Quintino district, Rio de Janeiro

## Technical Skills

- Networks, Linux sysadmin, Git, message queues (RabbitMQ), databases such as Redis and Postgres
- General Languages such as Java, JavaScript, Elixir, Perl, Lua, OCaml and DSLs such as GraphQL/Relay
- Test-Driven Development, Behavior-Driven Development, Integration Tests and End-to-End Testing
- Fullstack developer (back-end + front-end) and hybrid mobile (Ionic/Angular & React Native)
- Cryptography, Security and Distributed Systems