

Claudio Segala Rodrigues Silva Filho

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SUMMARY Working with software development for 3+ years using mainly C++, C# and JavaScript. Interested in solving problems that involve performance, writing code that is easy to understand and maintain and make an impact in this world.

ACADEMIC EXPERIENCE *BSc. in Computer Science* March 2015 - Present
University of Brasília at Brasília, DF
GPA: 4.38/5.00. Expected Graduation: December 2019

PROFESSIONAL EXPERIENCE *Software Developer, Intern* July 2017 - Present
Lacuna Software at Brasília, DF

- Developed and maintained the web application Portal de Assinaturas Certisign using mainly with C#, .NET libraries and AngularJS.
- Improved the memory usage during the sign process so that users could sign (up to 2x) larger PDFs.
- Implemented a worker and a structure to deal with recurring notifications in a way that developers could easily add new types of recurring notifications.
- Implemented the support for the usage of commitment rules in the signatures so that users could add to their signatures what were their intent when signing.

Software Developer January 2016 - December 2017

CJR Junior Enterprise at Brasília, DF

- Coordinated a team of five developers (including myself) as project manager on project Zulp.
- Implemented a system of events with notifications, a calendar and several pages designed by the client among many other features on project Zulp. Used mainly Ruby on Rails and Vanilla JavaScript.
- Implemented several pages designed by the client on project Cognin. Used mainly Elm.

ACADEMIC COURSE PROJECTS

JVM (System Software): Implemented with a team, a Java Virtual Machine following the oracle specification for JVM SE7. Responsible for implementing the architecture but also implemented around 40 instructions. The JVM, made with C++11, is capable of reading .class and execute 185 instructions of the 205 existing ones.

Playbook Centeias (Information Systems): Improved with a team the knowledge management system used by Centeias so that they could train new interns faster, reduce the knowledge lost when members leaved the group and reduce attrition when using the system. Responsible with designing an architecture with the client that fitted her needs and participated in the actual implementation of it. Used mainly Ruby on Rails.

Anomalies Detection in Government Expenses (Graph Theory): Implemented in C++ a technique presented in the paper named "Graph Analysis for Detecting Fraud, Waste, and Abuse in Healthcare Data" to find anomalies in a large database of government expenses.

ADDITIONAL EXPERIENCE

ACM ICPC Competitor (Competitive Programming): May 2015 - Present

- Placed 67th among 1156 national teams in the 2018 ACM ICPC Brazilian Regional.

Codejam Competitor (Competitive Programming): January 2017 - Present

- Placed 2265th among 3680 in the Round 2 of the Codejam 2018 that started with 24584 in the Qualification Round.