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Goal

Software Developer at SAP

About Me

I'm passionate about technology, the way it can make people's lives easier and better, making an impact on society. My professional experience in the industry made my taste for programming grow in me.

I'm an intrinsically curious person, and because of that, I have many hobbies. I divide my free time between studying topics that help me become a better developer, and between practicing and studying music, my second passion. I also have a slight interest in game programming.

I'm a very communicative person, and I love sharing knowledge with my colleagues, learning and teaching best practices and debating together with the team the best solution to the challenges encountered.

Educational Background

• Associate Degree in progress: Analysis and Systems Development at University of Vale do Rio dos Sinos. Started in May, 2022.

• Bachelor's Degree in Chemical Engineering from Federal University of Rio Grande do Sul, concluded in December, 2021.

• High School at Sinodal São Leopoldo, concluded in December, 2015.

Professional Experience

• Software Developer at CWI Software: I work with the client Banco Votorantim, implementing solutions related to the Pix API (Brazil's technology for instant payments). In particular, I worked on the development of the automatic reconciliation engine, responsible for maintaining the bank's transactional databases in agreement with the Central Bank. I also have experience with the MED flow (Special Devolution Mechanism), the Central Bank's mechanism for dealing with fraud and financial scams. Currently I'm working on the team responsible for the CORE mechanism of Payments, from creation of the payment order to its settlement. For Backend development, I utilize the Java Programming Language in conjunction with Spring Boot and other technologies such as RabbitMQ, Apache Camel, JDBI, SQL Server, Google PubSub. For Frontend development, I utilized Angular 8. Started in December, 2021.

• Internship at Ambev S.A, in the team of Process/Quality. At the start, I performed activities such as process supervision and control, production planning, management of routine indicators (OKRs), and projects for continuous product improvement and team management. In my second year, I have worked almost entirely on projects that involved technology for solving problems such as automating processes for automatic data collection, automated process

management, creation of Power BI dashboards which were capable of automatic update, and also developing ways of integrating the local data collected with the company's official systems. I also developed a POC application using Microsoft Power Apps, which later served as the basis for the development of the definitive solution. Started in January, 2020, until December, 2021. There's a short article providing more details about these projects [here](#) and [here](#).

• Internship at FEPAM (State Environmental Protection Foundation) - Division of Industrial Activities, Licensing and Monitoring Services. I worked with activities such as analyzing documentation necessary to comply with the conditions of the Operating Licenses for Industries and Gas Stations, such as Technical Reports, soil analysis reports, atmospheric emission and industrial effluents. I also had activities such as preparation of Official Letters, support in inspections, and customer service via telephone and email, providing clarifications regarding the requirements of Licenses and Official Letters. Started in March, 2019, until December, 2019.

• Quimlabor Jr. - Consultant in the Project Management sector of the Junior Company of the Chemistry course at UFRGS, a non-profit organization that operates in the various branches of the area, offering services such as water analysis, product characterization, waste management, personalized consultancies and workshops for schools. Development of activities related to planning, viability and execution of projects. Started in May, 2019, until December, 2019.

• Professor of private mathematics lessons for Middle School and High School, during the period of April, 2018 until March, 2019.

Published Articles

• "**Test and Development of a Low-Cost Solution for Automatic Inspection of PET Bottle Codification**". The article is a research investigating the possibility of using a Raspberry Pi to perform an automatic inspection of the quality of expiration date on bottles. An algorithm was developed using Python and OpenCV to process the images taken by the RaspCamera before submitting them to OCR. Published at Digital Manufacturing Technology, in 2022-08-15. Available [here](#). If you want to know more about the experiment, there's also a brief explanation of the process of developing this experiment on my personal [website](#).

Scientific Initiation Projects

• Fundação Estadual de Proteção Ambiental (FEPAM) - Research on Gravataí River Water Quality, through the analysis of monitoring data, with the goal of investigating how the water quality has varied in recent years and identify effluent release points responsible for causing marked pollution. Started in August, 2018, until July, 2019.

• Theoretical Chemistry Group at UFRGS – Simulations of Molecular Docking using different softwares such as AutoDock and DockThor. Analysis of the results obtained for the dockings of small binders with the protein Monoamine-oxidase. Started in January, 2017, until December, 2018.

Software Development Skills

• Professional experience with Java, specially together with Spring Boot and Spring Batch, and Typescript together with Angular. Professional experience with MSSQL, and frameworks for automated testing such as Karate and Cypress.

• Professional experience with the software development flow, including Kanban/SCRUM ceremonies, PR Reviewing, git flow, usage of CI/CD tools like Jenkins, monitoring tools like Grafana and Dynatrace, and managing tools like Jira and Bitbucket.

• Alura Certifications: Mostly Java and Python formation courses, but also a few other courses about Linux, Docker, and Network.
https://cursos.alura.com.br/user/gabrielaraujodesouza/fullCertificate/9340e7657f9e5b0fd183 52d0e812217a

• Basic knowledge in C and Python, having done small personal projects with both of them.

Courses and Training

• Microsoft Excel courses, level Intermediate and Advanced, ministered by the Academic Directory of Chemical Engineering Students (DAENQ), both on 10/21/2017, with a workload of 5h each.

• Oratory Course promoted by JCI Novo Hamburgo, on 07/26/2017.

• Entrepreneurship course - Entrepreneur Awakening 5th edition, 2017, facilitated by Pulsar, ministered between 03/18 and 04/15.

• Advanced Microsoft Excel course, offered by the Academic Directory of Production Engineering (DAProd) with a workload of 16h, between 15/10 and 29/10 of 2018.

Languages

• English: fluent regarding listening, reading and writing. Moderate experience regarding speaking.

• Portuguese: native language.