DIEGO REIS F. VARELLA
Software Engineer

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PROFESSIONAL EXPERIENCE

Software Engineer (Junior) - Projectiva Tecnologia | 4 months

- Engaged in the development of an ETL system to guarantee integration between two big players in the agriculture sector, impacting more than 20 clients. Using: **Change Data Capture (CDC)** with **Debezium** and **Node.JS**.

Software Engineer (Junior) - GF Software Financeiro Empresarial | 6 months

- IntegraNF-e: Played a pivotal role in architecting the system's whitelabel business logic, using **Java 17** with **Spring Boot**, **Keycloak** and **Postgres**
- Introduced a testing culture to the team by providing assistance in **JUnit** and **Mockito**
- Architected and build a data pipeline using: **NestJS**, **Postgres** and **RabbitMQ**. By consuming Ummense's webhook, we were able to bring relevant reports and insights to customers using the platform
- Contributed to the development of the digital bank BNKLN, with a whitelabel structure architected using **microservices** and leveraging technologies such as **Kafka**, **Spring Boot**, **Java 21**, **MongoDB**, **Postgres**, **Docker** and **Eureka**

Software Engineer, Project Director - byron.solutions | 1 year and 1 month

- Directed and coordinated all company projects, effectively applying **SCRUM** and **XP** concepts.
- Organized and led three training sessions, creating and delivering content on **Git**, **Web development**, **Docker**, and **Cloud Computing**
- Managed and maintained the project infrastructure, primarily utilizing **Digital Ocean** with **Docker** and **Docker Compose**
- Full stack development on the Speaking study platform and back-end development on the Atomic Planner project using **NodeJS** with **NestJS**, **Postgres**, and **MongoDB** in a **microservices architecture**
- Performed maintenance on the Vendinha website, TerraJR's email domain, and the JobShop website

Software Engineer (Intern) - Departamento de Tecnologia da UNIFEI | 7 months

Maintained the **legacy system** in **Java 7**, resolved system-related issues, and developed user interfaces using JSF

EDUCATION

Computer Science - Universidade Federal de Itajubá (UNIFEI) | 2022 - 2026

- Comprehensive training of core Computer Science disciplines including: **algorithms** and **data structures**, **operating systems**, **databases**, **functional programming**, **distributed systems** and **statistics**. Experienced with languages such as: **C**, **Lisp**, **Haskell**, **Python** and **Java**

Bitcoin Developer Launchpad - Vinteum | 2024 - 2025

- Acceleration [program](#) in development of open source projects in the Bitcoin ecosystem. Applying, in the low-level, concepts like cryptography, protocol development and smart contracts.

OPEN SOURCE CONTRIBUTION

JSON-2-CSV
- **JavaScript Vanilla** project, used by more than 6,000 projects, that makes the conversion between JSON and CSV.
- Contributed with the adjustment of the deprecated method *subtr*. [Pull Request](#)

Scylla-Studio
- Non-official web client of the NoSQL database **ScyllaDB**, that enables the visualization, creation and management of keyspaces and tables. Build with **React**, **NextJS** and **SQLite**.
- Contributed with the development of the creation, updating and deletion of database connections.
- Fixed bugs related with image loading and metrics refreshing. [Pull Requests](#)

LANGUAGES

- Portuguese: Native
- English: Advanced - proficient in reading documentation, technical articles, and books; excellent listening and writing skills; intermediate speaking skills