

# João Vitor Moraski Lunkes

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## Skills

- Python | FastAPI (Pydantic, SQLAlchemy, Pytest) | Java | Spring Boot | Node.js | React.js | Next.js | APIs (REST, gRPC) |
- Docker | Kubernetes | RabbitMQ | PostgreSQL | MariaDB | Microservices | Event-driven Systems | CI/CD | ArgoCD | Helm
- Observability (Sentry, Grafana, Prometheus) | Unit Testing | Integration Testing | TDD | Agile Methodologies | Clean Code | SonarQube
- Google Cloud Platform | Cloud Computing | OOP | Distributed Systems | Cloud SQL | GKE | IAM | VPC | Infrastructure as Code |
- RAG pipelines | Chatbots | LangChain/LangGraph | Vector Databases (pgvector) | AI-assisted coding (Cursor)
- Frontend | Backend | Full-stack | English (Intermediate), Brazilian Portuguese (Native)

## Experience

### Software Engineer

[Magalu Cloud](#)

São Paulo, SP, BRA

05/2024 - Present

- **Designed and implemented** key API components **using Python and FastAPI** for the Cloud Events functionality, **handling dozens of millions of events daily**.
- **Authored and maintained** comprehensive technical documentation for the Cloud Events API, **enabling seamless integration for 15 internal/external teams**.
- **Optimized and implemented** CI/CD pipelines **using Gitlab pipelines, ArgoCD, and Helm**, automating testing and deployment processes and **increasing deployment frequency**.
- **Developed** a comprehensive guide on connecting and using **RabbitMQ**, **facilitating efficient event publishing and integration**.
- **Integrated** observability practices and tooling (**Prometheus, Grafana, Sentry**) to enhance system monitoring, tracing, and proactive issue identification.
- **Led** the development of the user asset service **using Python, FastAPI, and PostgreSQL**, providing a critical component for auditing current product snapshots.

### Mid-level Fullstack Developer

[Onsafety](#)

Maringá, PR, BRA

03/2023 - 05/2024

- **Led** a small team of developers **with a focus on technical direction** in the planning and delivery of enhancements to the workplace safety software, focusing on observability and microservices architecture.
- **Spearheaded** the development and enhancement of core modules, including **accident investigation, document management, and work order system, using Java/Spring Boot, ReactJS, and NodeJS**, including email, authentication, and reporting features used daily by 15.000 internal users.
- Implemented significant performance improvements by optimizing queries, **boosting screen loading speeds by 70%** for critical features like **Checklist, training control, and worker listing**.
- **Created** a comprehensive unit testing tutorial and **implemented Sonarqube** across the codebase, **increasing test coverage by 60% and improving code quality metrics by 80%, and reducing code smell by 100%**.
- **Developed and maintained** critical dashboards **using Metabase and Google BigQuery**, providing actionable insights on workplace safety trends to the leadership team.

### Junior Fullstack Developer

[Onsafety](#)

Maringá, PR, BRA

11/2020 - 03/2023

- **Enhanced** specific user interface functionalities using **ReactJS and NodeJS**, improving user experience.
- **Developed and maintained** core functionalities **using Java/Spring Boot, ReactJS, and NodeJS** for key modules of the workplace safety software, including **EPI Control, User Management, Training Control, and Digital Inspections (Checklist)**, **enhancing system capabilities and stability**.
- **Optimized data structures** and queries using SQL and MariaDB, **increasing report search query speeds by nearly 40%**.
- **Managed and optimized** data structures and queries **using SQL and MariaDB** to support application functionalities and reporting.

## Education

### Bachelor of Computer Science

[Federal University of Technology](#)

Campo Mourão, PR, BRA

03/2021 - 06/2026

- Bachelor's Degree in Computer Science, with subjects such as Data Structures and Algorithms, Databases, Web/Mobile development, Software Architecture, Software Engineering, Operational Systems, Computer Networks, Computer Architecture.

### High School with Technical Diploma

[Federal University of Technology](#)

Campo Mourão, PR, BRA

03/2017 - 12/2020

- High school with a focus on computer science, with subjects such as algorithms, databases, operating systems, web development, computer networks.