

# Victor de Moraes

Olinda, Pernambuco, Brazil | Remote | victor.moraes@gmail.com | linkedin.com/in/victor-cmoraes | github.com/victorcmoraes

## Software Engineer | Backend, API Integrations, Automation & Production Systems

Software Engineer focused on backend systems, REST APIs, API integrations, workflow automation, operational data, and production ready internal tools. Experience with Python, Java, SQL, PostgreSQL, Oracle, SQL Server, Docker, CI/CD, GitHub Actions, Azure, Azure DevOps, Linux, and PowerShell. I build data synchronization flows, relational database routines, webhooks, automation scripts, and backend services that reduce manual work and improve operational reliability.

## Technical Skills

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- **Languages:** Python, Java, SQL, JavaScript/TypeScript.
- **Backend:** REST APIs, API integrations, webhooks, authentication, error handling, idempotency, retries, logs, status endpoints, OpenAPI/Swagger.
- **Databases:** PostgreSQL, Oracle, SQL Server, relational modeling, transactions, stored procedures, complex queries, data validation, query optimization.
- **Infrastructure:** Docker, Docker Compose, CI/CD, GitHub Actions, Azure, Azure DevOps, Linux, PowerShell, Git, environment configuration.
- **Data & Automation:** Workflow automation, data synchronization, ETL/ELT, operational reporting, business intelligence support, reprocessing routines.
- **Practices:** Automated testing, clean architecture, hexagonal architecture, SOLID principles, clean code, API versioning, production troubleshooting.

## Experience

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### SquadHub | Remote

*Software Engineer | Backend, Integrations & Production Systems | Jan 2024 – Present*

- Built and maintained REST API integrations using Python, Java, SQL, and relational databases, synchronizing operational data between CRM systems, internal tools, and third-party APIs.
- Architected automated data workflows and backend services with webhooks, logs, error handling, and reprocessing routines, reducing manual operational work by 80%.
- Managed and optimized Oracle SQL and SQL Server databases with complex queries, stored procedures, data validation, and business intelligence support.
- Integrated WhatsApp Business Cloud API into internal workflows, handling asynchronous webhook events, payload validation, data consistency, and operational traceability.
- Applied production software practices with Docker, Git, Linux, automated tests, CI/CD, automation scripts, and Microsoft/Azure environments when needed.

### Prefeitura do Recife (PIBID/CAPES) | Recife, Brazil

*Software Development Intern | Apr 2023 – Jan 2024*

- Developed low-level software in C/C++ for robotics projects, applying memory management, real-time processing, hardware-software interfaces, and debugging practices.
- Supported technical learning environments by translating software engineering concepts into practical exercises with code, electronics, and automation.

## Selected Engineering Projects

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### IntegrationHub | Backend API Integration Service

- Production-like backend service built with Python, FastAPI, PostgreSQL, Redis, Docker, Docker Compose, Pytest, OpenAPI/Swagger, and CI/CD using GitHub Actions.
- Handles webhook ingestion, payload validation, idempotency keys, asynchronous processing, retries, error logging, external API calls, and operational status endpoints.

### Data Automation Engine | Operational Data Automation

- Data automation workflow built with Python, SQL, PostgreSQL, Docker, automated tests, GitHub Actions, and optional PowerShell scripts for Windows/Azure-style environments.
- Reads spreadsheets, validates business rules, transforms operational data, generates reports, exports logs, and produces actionable error summaries for reprocessing.

## Education

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### Universidade Federal Rural de Pernambuco (UFRPE) | Recife, Brazil

*B.Sc. in Computer Science | Jan 2022 – Jul 2026*

## Languages

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Portuguese: Native. English: Professional working proficiency for remote work, technical interviews, documentation, and engineering communication.