

Guilherme Carvalho de Azevedo

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SKILLS

- **Languages:** Python, JavaScript (Node.js), TypeScript, SQL, Bash, HTML, CSS, VBA
- **Frameworks:** Django, Django REST Framework, Flask, FastAPI, Express, React
- **Databases:** Microsoft SQL Server, PostgreSQL, MongoDB, DynamoDB
- **Cloud / AWS:** EC2, ECS, Elastic Beanstalk, EKS, Lambda, RDS, S3
- **DevOps:** Git, Docker, Docker Compose, Kubernetes, CI/CD (GitHub Actions), Make, Terraform, Ansible
- **Messaging & Caching:** RabbitMQ, Pub/Sub, Redis
- **API & Documentation:** OpenAPI (Swagger), HATEOAS, Postman
- **Design:** Clean Code, SOLID, Design Patterns, OOP, TDD, OWASP
- **Project Management:** Agile, Jira, Confluence, Trello

For more details on my skills, [visit my Roadmap](#).

WORK EXPERIENCE

Quantum

Aug. 2021 – Jan. 2024

Senior Data Analyst

Quantum is a leading company in the Brazilian financial sector, offering technology solutions to corporate clients (B2B), with the aim of assisting in investment management, market analysis, and financial consulting.

- Coordinated a team specializing in analysis of structured fund and indices data;
- Developed over 100 **web scraping** programs using **RESTful APIs** and **authentication** methods (**Basic Auth**, **Cookie-Based**, **JWT**, **OAuth**, **OpenID**);
- Conducted **End-to-End testing** on team-developed functionalities, ensuring robust performance and quality;
- Designed 3 **CRUD** applications, ensuring efficient data storage, retrieval, and validation;
- **Fine-tuned LLMs** for **AI-driven** document processing, automating reading tasks previously done manually;
- Developed and optimized hundreds of **SQL** queries for rigorous data validation across databases and APIs.

Quantum

Nov. 2019 – Jul. 2021

Data Analyst Intern

- Automated routine tasks, saving 15+ hours of manual work per week;
- Migration of processes from Java, Excel or VBA to Python, streamlining operations and reducing errors;
- Development of data quality controls in SQL, improving data integrity and reliability.

EDUCATION

UERJ – Rio de Janeiro State University

Aug. 2015 – Dec. 2021

Bachelor's degree in Industrial Engineering

Rio de Janeiro, Brazil

- Honors: *cum laude*; 3.44/4.0 GPA.

COMPLEMENTARY EDUCATION

- **Fluent English: C1 level certified** – graduation with honors, Fisk
- **Advanced Python**, [Udemy](#)
- **Advanced JavaScript and TypeScript**, [Udemy](#)
- **Django**, [Alura](#)
- **Digital & Agile Thinking**, [Alura](#)
- **Infrastructure as Code**, [Alura](#)