

# WILLIAM MARQUARDT

## SENIOR SOFTWARE ENGINEER

### CONTACT

 +5541996519486  
 williammq@gmail.com  
 wmarquardt.com  
 Curitiba, PR - Brazil

### SKILLS

Python / Go  
Django  
Cloud  
Database  
Cybersecurity  
Performance  
Software Architecture

### EDUCATION

**Specialization - Cybersecurity**

#### PUC/PR

2021-unfinished

**Associate's degree - System Analysis and Development**

#### UNOPAR

2014-2017

**Technical certificate - Network and System Administration/Administrator**

#### SENAI/SC

2009-2010

### LANGUAGES

English - Full professional proficiency  
Portuguese - Native

### PROFILE

I have over a decade of experience as a Software Engineer and Architect. I started my career as a full-stack engineer and transitioned to specializing in backend development after six years. I have strong knowledge of the software development process, especially in Backend, Infra, Cloud, Databases, and DevOps.

I have a natural inclination for problem-solving and take satisfaction in building practical solutions. I'm enthusiastic about open-source (FOSS), Cybersecurity, and optimizing software for quality and performance.

### WORK EXPERIENCE

#### Senior Software Engineer II - Tech Lead

Loadsmart 2021-Present

As a Software Engineer at Loadsmart, I work on financial projects such as the platform for freight audit and payments, designing and implementing new features, maintaining microservices, and resolving issues quickly to ensure system efficiency.

- Design and architect new features, leading projects from inception to completion.
- Develop and maintain microservices, and implement new features in a monolithic project, optimizing code performance.
- Create experimental features to validate workflows, simplifying complex problems.
- Conduct knowledge transfer (KT) sessions, actively participate in working groups, and lead initiatives to improve code quality and developer productivity.
- Lead the team as the tech lead, ensuring successful project delivery.

**Main technologies:** Python, Django rest framework, Pytest, PostgreSQL, Redis, Terraform, DevOps, AWS, docker, K8s, Celery

#### Senior Software Engineer

Globo 2021-2022

At Globo, the largest media-tech company in Latin America, I contributed to the DB-Dev Team, focusing on developing solutions for database administrators. I played a key role in enhancing the DBaaS platform, an open-source solution for provisioning and managing databases on demand, supporting Redis, MongoDB, and MySQL.

- Define new technologies and architecture for services, enhancing the DBaaS platform.
- Implement new features in a Django application and maintain Flask APIs for integrated systems.
- Migrate the entire database infrastructure to Google Cloud Platform (GCP), optimizing cloud integration.
- Implement CI for Flask APIs, transition tests from Travis to GitHub CI, and establish integrations with other platforms using REST APIs.

**Main technologies:** Python, Django, Flask, Devops, MongoDB, Go, Cypress, Jenkins, Javascript, Bash, Redis, Celery, GCP

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### EXPERTISE

- Extensive experience in designing and developing scalable backend systems and microservices, with a focus on performance optimization and reliability.
- Proficient in managing cloud infrastructure and database administration, including MySQL, Cassandra, Aerospike, and Redis.
- Skilled in implementing continuous integration and deployment (CI/CD) processes, automating deployment workflows, and maintaining Linux and FreeBSD systems.
- Strong background in cybersecurity, including intrusion testing, establishing security policies, and ensuring robust system protections.
- Proven leadership in technical roles, including defining architectures, leading project implementations, and providing technical guidance to teams.
- Exceptional problem-solving skills, with a natural inclination for building practical solutions to complex challenges.

### COURSES

- Emotional Intelligence - Conquer School - 2020
- Pentest: intrusion techniques in corporate networks - 4Linux - 2019
- Forensic Computer Examiner - Portal Educação - 2017

### WORK EXPERIENCE

#### Senior Software Engineer - Tech Lead

Trade na Mão

2020

Creating the entire software structure for the company while handling technical assignments and leadership responsibilities.

- Define the architecture and technologies for new services.
- Develop applications using Python and NodeJS.
- Implement continuous integration using CircleCI and automate deployment processes.
- Provide technical guidance to the team and act as a SCRUM master.

**Main technologies:** Python, Django Rest Framework, Node, Cloudflare, WebSocket

#### Senior Software Engineer

Navegg

2016-2020

At Navegg, I transitioned from full-stack to back-end development, focusing on infrastructure and security. This role allowed me to enhance my skills in performance optimization, scalability, and maintaining high-quality systems, managing millions of daily requests while implementing new technologies.

- Develop and maintain highly scalable services and applications using Python, JavaScript, and Bash.
- Administer Linux and FreeBSD systems, and configure VPNs, DNS, and firewalls.
- Manage databases such as MySQL, Cassandra, Aerospike, and Redis, including performance tuning.
- Create and maintain automated and integration tests, develop tools for intrusion testing, and analyze and plan for new products.

**Main technologies:** Python, Django Rest Framework, Cloudflare, Nginx, FreeBSD, Linux, BlueMix, RabbitMQ, Cassandra, Docker, Aerospike, Mysql

#### Software Engineer / Co-Founder

Trade na Mão

2014- 2016

Co-founded Canvas Studio, a digital solutions company, and successfully joined the Mafratec business incubator.

- Design and develop institutional websites.
- Analyze and develop web software.
- Administer Linux servers.

**Main technologies:** PHP, MySQL, Wordpress, Javascript, AngularJS, Codeigniter

#### Software Engineer

Support Informática

2010 - 2014

#### IT Intern

SENAI/SC

2009 - 2010