William Marquardt

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Summary

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.

Experience

Sr. Back End Engineer II
Loadsmart

Dec 2023 - Present (6 months)
In December 2023, I was promoted while keeping my position in the same squad at Loadsmart.

Sr. Back End Engineer
Loadsmart

May 2022 - Dec 2023 (1 year 8 months)
As a Software Engineer at Loadsmart, a leading logistics company, I began my first international professional experience. Joining the company in May 2022, I have been integral to the "Capacity Generation" team, focusing on microservices architecture.

In January 2023, I transitioned to the financial team, where I started working on exciting projects, including the freight audit and payments.

Key responsabilities:
- Design new feature architecture and lead projects.
- Create experimental features to validate workflows, finding simple solutions to complex problems.
- Implement new features in a monolithic project.
- Host knowledge transfer (KT) sessions for the team.
- Actively participate in working groups.
- Maintain internal systems as part of a side squad.
- Optimize code performance.
- Participate in and lead initiatives to improve code quality and developer productivity.
- Take on the role of tech lead twice following a tech lead rotation between SR. team members.

Skills: DevOps · Django REST Framework · Python · Amazon Web Services (AWS) · Terraform · System Architecture · PostgreSQL · Team Leadership

Sr. Software engineer - Platform (DBaaS)
Globo

Jan 2021 - Apr 2022 (1 year 4 months)

In early 2021, I joined Globo, the largest media-tech company in Latin America. I have always been captivated by Globo's innovations and followed their events and discussions with their engineers. I was part of the DB-Dev Team, responsible for developing solutions for Database administrators. Our team's primary product is DBaaS, an open-source platform similar to Amazon RDS, which provisions and manages databases on demand. Currently, it supports Redis, MongoDB, and MySQL databases.

Key Responsibilities:
- Defining new technologies and architecture for new services
- Implementing new features in a Django application
- Creating and maintaining Flask APIs that serve as an integrated system
- Integrating with GCP (Google Cloud Platform)
- Migrating the entire database infrastructure to GCP
- Implementing new pipelines and integration tests using Cypress
- Implementing CI for Flask APIs and migrating existing tests from Travis to Github CI
- Establishing integrations between DBaaS and other platforms using REST APIs

Skills: Flask · Django · DevOps · MongoDB · Go (Programming Language) · Cypress · Jenkins · Python · Docker · Bash · flask · Redis · Celery · Google Cloud Platform (GCP)

Sr. Software Engineer - Tech Lead

Trade na Mão

Apr 2020 - Dec 2020 (9 months)

In 2020, I began working as a tech lead at Trade na Mão. This role provided me with a new experience as it involved not only technical assignments but also leadership responsibilities, which proved to be my biggest challenge during that period.

Key Responsibilities:
- Defining the architecture and technologies for new services
- Developing applications using Python and NodeJS
- Implementing continuous integration using CircleCI
- Setting up VPN connections
- Monitoring server performance using MUNIN
- Automating deployment processes
- Establishing security policies
- Participating in the hiring process and conducting technical interviews
- Acting as a SCRUM master
- Providing technical guidance to the team

Skills: WebSocket · MySQL · Go (Programming Language) · Python · Docker · Redis · Cloudflare · Node.js

Software Engineer

Navegg

Jun 2018 - Mar 2020 (1 year 10 months)

After working as a full-stack developer for approximately a year and a half, I was promoted to focus exclusively on back-end development. This transition provided me with the opportunity to work in areas that I am particularly interested in, such as infrastructure and security. During this period, I gained

valuable experience in performance optimization, scalability, and maintaining high-quality systems. One of the significant challenges I faced was managing a system with millions of daily requests while implementing new technologies based on proofs-of-concept.

Key Responsibilities:
- Administering Linux and FreeBSD systems
- Developing applications using Python, JavaScript, and Bash
- Creating and maintaining automated tests
- Managing databases such as MySQL, Cassandra, Aerospike, and Redis
- Developing and maintaining highly scalable services
- Configuring and maintaining VPNs, DNS, and firewalls
- Developing tools for intrusion testing
- Analyzing and planning for new products
- Tuning MySQL performance
- Developing integration tests using Protractor

Full-stack Developer
Navegg
Dec 2016 - Jun 2018 (1 year 7 months)
I joined Navegg in late 2016 when I relocated to Curitiba. During the initial phase, my primary challenge was to rewrite the Data Management Platform. This involved rewriting both the backend and frontend using Django 2.0 and AngularJS. Additionally, I took on the responsibility of maintaining the application, which encompassed analyzing requirements for new features and deploying the application.

Key Responsibilities:
- Development and maintenance of a single-page application (SPA) using Django and AngularJS
- Writing JavaScript, Python, and Bash scripts
- ETL (Extract, Transform, Load) for data migration
- Maintenance of Linux servers

Skills: Nginx · Aerospike · MySQL · IBM Bluemix · Go (Programming Language) · RabbitMQ · FreeBSD · Python · Cassandra · Docker · Redis · Cloudflare

Full-stack Developer / Co-founder
Canvas Studio
Sep 2013 - Oct 2016 (3 years 2 months)
Canvas Studio was a digital solutions company that I co-founded. The idea for the company originated in late 2013, and in May 2014, we successfully went through the selection process for the business incubator, Mafratec, located at the University of Contestado.

Key Activities:
- Designing and developing institutional websites
- Analyzing and developing web software
- Administering Linux servers

Skills: Nginx · MySQL · AngularJS · Bash · PHP

Software Developer

Support Informática

Mar 2011 - May 2014 (3 years 3 months)

From the very beginning of my career, I had a strong interest in software development. When a position opened up in the development area, I eagerly asked to take over the role left by the previous developer. Although I had limited programming knowledge at that time, it was the perfect opportunity for me to put theory into practice and expand my skills.

Key Activities:
- Developing and maintaining software for NF-e, CT-e, PAF/ECF, and other applications using Visual Basic 6
- Creating institutional websites
- Developing web systems
- Configuring WTS (Windows Terminal Services) servers

Information Technology Support Analyst

Support Informática

Mar 2010 - Feb 2011 (1 year)

I joined Support Informática to work on system maintenance and provide technical support. This experience was highly valuable as it allowed me to apply what I had learned during my internship and enhance skills such as customer service and priority management.

Key Activities:
- Performing computer maintenance tasks
- Providing technical support to users
- Assisting users through remote access
- Managing and tracking support tickets for effective resolution

Information Technology Intern

SENAI/SC - Serviço Nacional de Aprendizagem Industrial

Apr 2009 - Mar 2010 (1 year)

During my first job experience, which took place while I was enrolled in a technical course in computer networks, I was involved in various activities related to computer and network maintenance. Additionally, I had the responsibility of supervising computer labs.

Key Activities:
- Performing computer maintenance tasks, including hardware and software troubleshooting
- Conducting network maintenance activities, such as configuring and troubleshooting network devices
- Supervising computer labs to ensure proper functionality and availability for users

Education

Pontifícia Universidade Católica do Paraná

Specialization, CyberSecurity

2021 - 2022

UNOPAR - Universidade Norte do Paraná

Associate's degree, System Analysis and Developmen

2014 - 2017

SENAI/SC - Serviço Nacional de Aprendizagem Industrial

Technical certificate, Computer networks

2009 - 2010

Licenses & Certifications

Pentest: intrusion techniques in corporate networks - 4linux

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Computer forensics - Portal Educação

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Emotional Intelligence - Escola Conquer

Skills

Python (Programming Language) • Django REST Framework • PostgreSQL • DevOps • Information
Security • Performance Tuning • Go (Programming Language) • MySQL • NoSQL • Bash