

Leonardo Lima de Vasconcellos

leonardolimadevasconcellos@gmail.com | +55 41 992151301 | [linkedin.com/in/lvasconcellos](https://www.linkedin.com/in/lvasconcellos) | Brazil

ABOUT

I'm a senior full-stack engineer who's been shipping for the web since 2005 — around 70 projects across five eras of the technology. I was elected technical lead on an Ebola-response records system with Doctors Without Borders, helped scale high-concurrency SaaS at Email on Acid, and contributed to Brazil's top-ranked smart city in Itajaí. My specialty is the systems where failure has real consequences: I take them — mission-critical, often tangled — and make them scale, clean and fast and built to last. I'm still hands-on every day, now AI-assisted, and I work in both English and Portuguese. Off the clock I play bass, drums, and guitar — same discipline and timing, different instrument.

PROFESSIONAL EXPERIENCE

Senior Web Application Developer | Prefeitura Municipal de Itajaí | April 2025 - January 2026

- I played a key role in the digital transformation of Brazil's top-ranked 'Smart City' by developing full-stack applications. My work focused on creating seamless citizen experiences using React and Next.js, supported by a high-concurrency Node.js backend and a highly available PostgreSQL data layer. AI assisted development using Cursor and Claude Code.

Senior Software Engineer | DevHouse | January 2024 - April 2025

- AI assisted development of modern websites for clients using TypeScript, React, Next.js, Zustand, Zod, ShadCN and TailwindCSS.
- Restful APIs with Node.js, Express, Drizzle ORM.
- Portfolio: <https://lvasconcellos.vercel.app>

Senior Full Stack Software Engineer | Email on Acid | September 2019 - September 2023

- Architected and scaled a Full Stack SaaS cloud application, managing a diverse ecosystem of React, Node.js (Express), and PHP (CodeIgniter) to support high-concurrency environments.
- Spearheaded a critical legacy system refactor, modernizing the codebase to achieve significant gains in scalability and readability while slashing technical debt.
- Optimized data performance by implementing advanced caching strategies with Redis and managing hybrid data architectures across PostgreSQL and MongoDB.
- Delivered measurable performance improvements (e.g., reduced API latency or page load times), enhancing the overall end-user experience for the platform.

Full Stack Software Engineer | Bureau Veritas Group | March 2019 - September 2019

- Engineering Scalable Global Solutions: Developed full-stack features for SurvAgri©, a mission-critical grain shipment management platform used worldwide. Leveraged React and a distributed Laravel (PHP) RESTful API with PostgreSQL to ensure data integrity across global supply chains.
- Legacy Modernization for Industry Leaders: Spearheaded the refactoring of KerpWeb, an ERP and agricultural auditing system utilized by global giants BASF and Bayer. Applied Clean Code principles and ZendFramework optimizations to modernize the audit workflow for transgenic seeds.
- DevOps & Automation: Streamlined development lifecycles by managing CI/CD pipelines via Bitbucket and deploying robust architectures on Amazon AWS Cloud.

Senior Software Engineer | DevHouse | November 2011 - March 2019

- Development of web applications using React, Node.js and PostgreSQL.
- Development, implementation, and customization of websites and e-commerce using open-source CMSs like WordPress, Joomla, and Magento (plugins, themes, and extensions).
- Analysis and development and support for small to mid-size web applications using PHP and ASP.NET (C#).
- Teaching Adobe Flex Courses.

Tech Lead Java Android Software Engineer | Doctors Without Borders (MSF) | September 2015 - March 2016

- Android/Java developer working remotely on Project Buendia (<http://projectbuendia.org/>) team to develop an android application + Linux OpenMRS server to help clinicians in the fight against ebola and malnutrition.
- Started as a volunteer developing unit tests for the project. After two weeks I was selected among more than 1000 candidates to join the team as a full-time android developer. Later on, due to my performance and experience, I was elected the technical lead, in charge of helping the team with technical issues and doing code reviews alongside the development of new features and bug corrections.
- Project Buendia is an open-source medical record system designed for relief missions. It was originally created by MSF, Google Crisis Response, and a group of volunteers in response to the 2014 Ebola epidemic in West Africa.
- Technologies used: Android, Java, Junit, XForms, Spring, OpenMRS, Hibernate, Python, MySQL, and Linux.

Java Software Engineer | Stock & Info | April 2015 - July 2015

- Java Restful Web Service development using Jboss Resteasy.
- Front-end development using HTML5 / CSS3 / Bootstrap and jQuery.
- Development of helper and Version Control System applications for FileMaker database using .NET C#.

Software Engineer | Bravi Software | November 2014 - February 2015

- Microsoft C# and .NET WPF software developer for the world's largest educational software.
- Outsourced engineer to Tribaltech, United Kingdom.

Web Developer | Morphy Digital Group | August 2014 - November 2014

- Full-Stack web developer using PHP ZendFramework, Bootstrap, jQuery, and HTML5.
- Restful services for mobile applications.

Java Software Engineer | TOTVS | April 2011 - November 2011

- Bug fix and support on an EDM (Electronic Document Management) system written using Flex and Java EE.
- Front-end migration from Adobe Flex to Web Standards (HTML5/CSS/Javascript) using jQuery and YUI (Yahoo User Interface).
- Restful API development using JBoss Resteasy (JAX-RS).

Web Developer | DMG Digital Agency | February 2010 - April 2011

- Magento e-commerce customizations, plugins, and theme development.
- Object-Oriented PHP5 development of a casino management software using PHP ZendFramework for a Restful API Backend
- Sencha EXTJS Javascript framework on the front-end for a rich internet application (RIA).
- The database used was PostgreSQL with Doctrine PHP ORM.

Web Developer | Self-Employed | July 2005 - February 2010

- Development of on-demand applications using web technologies. ExtJS, PHP ZendFramework, Doctrine ORM, PostgreSQL, MySQL.
- Development, implementation, and customization of websites and e-commerce using open-source CMSs like WordPress, Joomla, and Magento (plugins, themes, and extensions).
- On-demand web application development using Sencha EXJS, PHP ZendFramework, Doctrine ORM, and PostgreSQL.
- As a freelancer developer, I worked for various local small and medium business in Joinville city area as: Izi Sistemas, Datasul, LDI Eletrônica Industrial, Ugabuga Internet, VonMuller Fotografia, Maquel Cosméticos, Century Foto e Vídeo, Colégio Oficina dos Sonhos, Joinville Business Center, GerHação, among others.
- Example of some web applications created:
 - Management System for the City Hall's division of Social Well-Being (partnership with DataSul);
 - EAD system and classroom organizer;
 - Squid Proxy for Linux administration web panel;
 - Website traffic analysis (we did not have google analytics at the time).

- Complete Content Management System for websites.
- Sophisticated Email marketing/bulk email sender with bounce treatment, click and view statistics, and spam filter checks.
- A proprietary web browser that would make it very hard to copy restricted content displayed.

EDUCATION

Master's Degree in Software Engineering — January 2020 - Incomplete
Universidade Tecnológica Federal do Paraná (UTFPR)

Postgraduate Degree in Project Management — January 2018 - December 2019
Universidade Cesumar (UNICESUMAR)

Bachelor's Degree in Computer Science — January 2011 - December 2017
Universidade Cesumar (UDESC)

SKILLS

Programming Languages: Typescript, Javascript, Java, PHP, Python, C#, HTML, CSS.

Tools and Frameworks: React, Zustand, React Query, TailwindCSS, ShadCN, Bootstrap, jQuery, Zod, Drizzle ORM, Better Auth, Next.js, Node.js, Nest.js, Jest, Java Spring, JBoss RestEasy, Laravel, ZendFramework, WordPress, Magento, Joomla. Git, github, gitlab, bitbucket.

Methodologies: Agile, Scrum, XP, Clean Code.

Databases: PostgreSQL, MySQL, MSSQL, MongoDB, Redis, ORACLE.

LANGUAGES

English: Fluent (TOEFL Certification B1 Level)

Portuguese: Native

Spanish: Conversational / Mid level

LINKS

GitHub Profile 1: <https://github.com/Ilvasconcellos>

GitHub Profile 2: <https://github.com/Ilvasconcellos2>

Portfolio: <https://leonardo-vasconcellos.vercel.app>