

Ricardo Andrietta Mendes

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Professional Summary

Accomplished Senior Backend Engineer with over 15 years of experience designing and developing scalable PHP and MySQL applications. Expert in Phalcon (7+ years) and proficient with Laravel and Symfony frameworks. Skilled in clean architecture principles, modern CI/CD workflows with GitHub Actions, and containerization using Docker. Adept at bridging technical and business needs by collaborating with marketing teams to deliver impactful software solutions. Proven ability to lead and mentor teams, optimize system performance and drive measurable business outcomes. Passionate about producing high-quality, maintainable software that exceeds expectations.

Core Competencies

Architecture	Clean Architecture, MVC, RESTful APIs, Microservices, Design Patterns
Development	PHP 8+, Phalcon, Laravel, Symfony, Go, JavaScript, TypeScript
Database	MySQL 8, SQL Server, Elasticsearch, OpenSearch, Redis
DevOps & Tools	Docker, Git (GitHub/GitLab), CI/CD (GitHub Actions), AWS S3
Testing	Pest, PHPUnit, Codeception, TDD, XDebug
Soft Skills	Team Leadership, Mentoring, Technical Documentation, Agile Methodologies

Employment history

Senior Software Developer, Machobear Studios Inc

Sep 2017 – Feb 2025

Vancouver, BC, Canada

Developed high-quality code using PHP 8 and MySQL 8, ensuring adherence to coding standards and best practices:

- Main project: Liv Rent platform <https://liv.rent>
- Designed and developed over **300** RESTful API endpoints.
- Transitioned from MVC to Clean Architecture, implementing Clean Code/Clean Architecture principles, writing over **56,000** lines of code across **830** files with comprehensive Unit Tests.
- Used XDebug for debugging and profiling. Managed to get **85%** of code covered.
- Engineered robust, scalable backend solutions with PHP (Phalcon) and MySQL.
- Spearheaded database optimization, achieving an **87%** reduction in query execution time for Elasticsearch syncing through improved indexing and strategic use of temporary tables.
- Integrated third-party APIs, such as BMO, Equifax, Here Maps, and MaxMinder, to enhance system functionality and streamline data exchanges.
- Mentored co-op students by teaching development concepts and techniques, conducting code reviews, and providing constructive feedback. Two were hired full-time after graduation.
- Led development for key features, including:
 - **Trust Score**: A credit verification tool integrating Equifax data, increasing tenant screening report sales by **201%** and saving over **\$30,000** in operational costs within the first year.
 - **Dynamic contracts**: Enabled seamless onboarding of real estate clients nationwide with custom contract templates.
 - **Minerva**: Built an internal tool for support teams to efficiently manage user data, payments, and listings, reducing tenant document approval time by **75%**.
 - **Listing Syndication Ticket Management**: Tickets are automatically created when a listing is created/updated (showing all changed fields).
 - **CLI Tasks**: A backend tool for managing processes such as Queues, Cronjobs, and Elasticsearch synchronization.
 - **BE Admin**: **Full stack** application to manage BE services such as ACL, Queue monitoring, ETL Monitoring, and Query Execution.
- Accomplished PHP and Framework major upgrades.

Key Technologies:

- OOP / Clean Architecture / Phalcon Framework (PHP) / Tests (Codeception and PHP Unit)
- MySQL / Elasticsearch / Redis
- Git / Gitlab / Docker / AWS S3

Analyzed and translated business requirements into detailed functional specifications, ensuring alignment with organizational goals and development objectives.

- Led a team of 7 developers, overseeing task creation, assignment, and management.
- Authored detailed technical documentation based on in-person client meetings, ensuring alignment between business needs and technical solutions.
- Translated business requirements into actionable technical solutions, aligning with organizational objectives.
- Enhanced collaboration across teams, improving communication and project outcomes.

Key Technologies:

- Kohana Framework (PHP) / MySQL / Git

- Collaborated with cross-functional teams to gather requirements, design solutions, and implement software features.
- Designed user-friendly interfaces for web-based applications using HTML, CSS, and JavaScript.
- Mentored junior developers, fostering growth and adherence to best practices.
- Demonstrated strong problem-solving skills by quickly identifying the root causes of complex technical issues.
- Engineered robust software solutions using PHP CodeIgniter framework, optimizing database performance and enhancing user experience through intuitive interface design.

Developed specialized solutions, including:

- **Phonoweb:** specialized e-commerce for telecom products:
 - Engineered a tool to build/configure PBX Switchboards.
 - Reduced errors with equipment configuration in **50%**, resulting in savings for the clients.
 - Integration with TOTVS ERP for inventory and payment management, reducing the time from receiving a new order to generating the invoice by 83%.
- **Mitz CRM:** Custom CRM solution with advanced reporting and analytics capabilities.
 - Developed with PHP 5.3 – **OOP**
 - **Led a team** of 3 BE developers and a Web Designer.

Key Technologies:

- CodeIgniter Framework (PHP) / HTML / CSS / JavaScript
- MySQL / SQL Server (TOTVS ERP integration)

Education

Starting in Mar 2025	Postgraduation Diploma in Machine Learning	Fiap (Brazil), Online
Jan 2011 – Dec 2012	Postgraduation Diploma in System Analysis	Mackenzie, São Paulo, SP (Brazil)
Jan 2006 - Dec 2010	Bachelor's degree in Electronics Engineering	Mackenzie, São Paulo, SP (Brazil)

Additional Information

- Actively enhancing skills in machine learning and modern backend frameworks.
- Open to leadership opportunities and high-impact backend development roles