

# Karlo Simunovic

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## Job Position

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### Senior Backend Developer / Senior Ruby Developer

#### Summary

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Proficient in building scalable and high-performance applications with 4 years of hands-on experience in Ruby on Rails and 8+ years of experience in software development. Expertise in complex software systems using PHP, Javascript (React, jQuery), CSS and external APIs. Proven ability to lead technical initiatives and directly deliver value. Demonstrated strong communication skills in collaboration with both technical and non-technical stakeholders.

Strong cross-team collaborator with expertise in CI/CD pipelines, microservices, and integration testing, committed to continuous improvement and mentoring teams to achieve ambitious deliverables within tight deadlines. Excellent problem-solving and analytical skills, reinforced by effective communication strategies.

#### Skills

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**Backend:** Ruby on Rails, PHP, Laravel, MySQL, Postgres, MongoDB, Redis, Solr, Typo3, WordPress

**Frontend:** JavaScript, React, TypeScript, HTML, CSS, jQuery, Tailwind CSS, Bootstrap, Turbo, Stimulus

**Testing:** RSpec, PHPUnit, Test-Driven Development (TDD)

**DevOps & Tools:** GitLab CI/CD, GitHub Actions, Docker, Azure, Heroku, Jira, ActiveRecord, Sidekiq, Grafana, ELK Stack, ChatGPT for productivity, deployment automation

**Architecture:** Distributed systems, Microservices, Containerization

**Methodologies:** Agile (Scrum, Kanban), Full Development Lifecycle

**APIs & Integrations:** Payment Gateways, REST APIs, SOAP APIs, AJAX, Tax System APIs, Financial APIs

**Soft Skills:** Effective communication, problem-solving, team collaboration, leadership, time management, willingness to learn, conflict resolution, compassion, integrity, empathy

#### Experience

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**Senior Full Stack Developer**, Racing Unleashed - Switzerland (Remote)

February 2022 – August 2024

Proven ability to lead and align technical initiatives with the company's long-term business goals; deliver value effectively under tight deadlines and complex requirements. Collaborated with cross-functional teams to influence architectural decisions, adopt best practices like TDD through RSpec, and optimize the customer journey with UI/UX improvements

- Enhanced core business system stability by creating and applying over 500 test cases, achieving a 95% test coverage rate, enabling easier performance optimization and new feature development; reduced post-release issues by 30%
- Cut operational costs by replacing third-party services, ensuring efficiency and long-term savings
- Optimized SQL queries and indexing for faster data retrieval, enhancing user experience
- Led migration from Postgres to MySQL, restructuring the schema and significantly reducing development time
- Improved application stability and error rates by implementing Sentry monitoring tools, resulting in a robust system
- Led cross-departmental collaboration to gather requirements and integrate business logic into software
- Streamlined sprint processes in SCRUM, optimizing deliverables and enhancing team focus on impactful tasks
- Implemented integration testing in CI/CD pipelines, reducing production bugs by 30% and boosting reliability
- Contributed to hiring and onboarding of backend and frontend developers through interviews and mentoring
- Achieved pixel-perfect UI/UX for client websites by implementing design based on Figma and mockups, enhancing conversion tracking and customer satisfaction
- Quickly adjusted to shifting priorities in a fast-paced startup environment while delivering critical features
- Managed system monitoring, log analysis, and CI/CD setup, ensuring a streamlined developer experience

Delivered high-quality web applications utilizing Ruby on Rails, PHP, Laravel, JavaScript, and MySQL to significantly enhance client performance and reliability. By leveraging strong communication and comprehensive project management skills, built a loyal client base and successfully executed complex data migrations, performance optimizations, webshop customizations and deployments on Linux environments.

- Led the diversification of Exapoint Solutions AG's tech stack by leveraging expertise in Ruby on Rails, PHP, Laravel, WordPress, JavaScript, and MySQL, resulting in an enhanced market position for the company
- Executed complex data migrations and optimized performance for e-commerce and wholesale businesses, enhancing application reliability and performance
- Managed end-to-end project lifecycles in an agency environment: proposals, requirements engineering, budgeting, solution architecture, development, testing, and maintenance, ensuring timely delivery and client satisfaction
- Built and maintained strong client relationships through clear communication and a client-focused approach, resulting in numerous referrals and a growing client base
- Contributed to the open-source e-commerce platform ThirtyBees by resolving critical bugs via GitHub, enhancing the platform's stability and showcasing collaboration skills
- Collaborated effectively in cross-functional teams, contributing to project success through strong communication and teamwork skills

**Team Lead / Full Stack Developer,** Oxidian - Switzerland (Remote)

August 2016 – April 2018

- Directed a cross-functional team of developers, utilizing agile practices; achieved a reduction in development cycle time and ensured the on-time delivery of high-quality software products
- Architected and implemented a multi-tenant SaaS platform for resource planning and invoicing. Integrated payment gateways, improving transactional efficiency
- Supervised task completion and code reviews. Maintained development environments and ensured high code quality
- Engineered a JSON API importer for real-time updates on 12,000 boats, boosting booking efficiency

## Projects

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**Members Platform | Racing Unleashed**[racing-unleashed.com](https://racing-unleashed.com)

- Technologies: Ruby On Rails, Laravel (PHP), MySQL, Javascript (React), Android (Kotlin), iOS (Swift), GitLab CI/CD
- Duration: February 2022 - Present
- Details:
  - Overhauled the primary business platform, delivering crucial features, improvements, and bug fixes within weeks, enhancing platform stability and user experience
  - Played an active role in architectural decisions for new projects, frequently providing the preferred solutions due to a comprehensive understanding of complex business logic

**EPAS | Kuhn Design AG**

- Technologies: Ruby On Rails, MySQL, jQuery, Bootstrap
- Duration: August 2020 - February 2022
- Details:
  - Digitized the ERP system, eliminating the need for physical paperwork and enhancing efficiency
  - Executed a complex data migration over 4-6 months from one ERP to another
  - Developed and launched SOAP API integration for Abacus.ch automatic invoicing, streamlined processes and reduced invoice generation time

**Financial Tables Importer | Raiffeisen Schweiz**[report.raiffeisen.ch](https://report.raiffeisen.ch)

- Technologies: PHP, WordPress, MySQL
- Duration: December 2020 - April 2021

- Details:
  - Built an importer for 80+ financial tables for Raiffeisen CH, supporting languages and various input formatting
  - Streamlined and automated country-specific formatting, reducing manual error and human intervention

#### MapQ | Moderat GmbH

[emoderat.ch](http://emoderat.ch)

- Technologies: PHP, WordPress, JavaScript, LeafletJS
- Duration: June 2020 - February 2021
- Details:
  - Innovated a new map tool using OpenStreetMaps and LeafletJS to improve location accuracy; improved user retention by 28% and decreased support tickets related to location issues by 18%
  - Enabled detailed reporting with georeferencing, heatmaps, and data clustering

#### Teameo.ch | Pensa Group

[teameo.ch](http://teameo.ch)

- Technologies: PHP, Laravel, jQuery, Bootstrap
- Duration: November 2019 - July 2020
- Details:
  - Crafted a sophisticated job-matching platform, seamlessly integrating complex business logic algorithms to match 3.7k candidates with job opportunities, boosting placement success rates
  - Simplified mobile verification and transactions, ensuring reliability by implementing Twilio

#### Lunch Plan | Master's Thesis

[thesis](#)

- Technologies: Golang, Docker, gRPC, Elastic Search, jQuery, Bootstrap
- Duration: February 2018 - September 2018
- Details:
  - Architected a scalable microservices-based web application using Golang and Docker, addressing interservice communication challenges thus providing proof-of-concept and detailed documentation of the process
  - Incorporated gRPC for service communication and ELK stack for logging and monitoring

#### Education

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<b>Faculty of Organization and Informatics, Croatia</b> – MS in Information and Software Engineering	September 2018
<b>Faculty of Organization and Informatics, Croatia</b> – BS in Science in Information Technology	September 2016