Jason Sergio Villanueva Jacobs

Senior Ruby on Rails Engineer

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Skills

- **Languages:** Ruby, JavaScript, C++, SQL, Python
- **Frameworks:** Ruby on Rails, Node.js, ASP.NET, MVC
- **Tools:** Docker, Sidekiq, React, Nginx, Redis
- **Databases:** PostgreSQL, MySQL, SQL Server, SQLite
- **Practices:** Agile methodologies, Microservices architecture

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Professional Summary

Experienced Senior Ruby on Rails Engineer, specializing in building scalable web applications and leading development teams. Pro in Ruby on Rails with significant experience in Node.js, JavaScript, and C++. Known for a strong commitment to developing high-performance applications and driving technological innovation. Demonstrated ability to leverage a broad technical skill set to solve complex problems and enhance software usability.

Professional Experience

Senior Software Engineer, VolumeFi, San Francisco, CA
Jan 2022 - Present (4 years)

- Led development of high-volume financial trading platforms using Node.js and Python.
- Spearheaded the integration of real-time data analytics features using JavaScript, improving business insights.
- Collaborated with cross-functional teams to design and implement scalable solutions for complex financial services.

Founding Engineer, Labtuit, San Francisco, CA *Jun 2020 - Dec 2022 (2 years 7 months)*

- Spearheaded the initial design and development of the company's core product using Ruby on Rails, laying the foundation for scalable and maintainable architecture.
- Implemented critical features and enhancements, ensuring high performance, security, and usability to meet the evolving needs of early customers.
- Established and enforced best practices for coding, testing, and deployment, fostering a culture of quality and continuous improvement.
- Collaborated closely with the co-founders to translate business requirements into technical specifications, ensuring alignment and feasibility.
- Played a key role in recruiting and mentoring the early engineering team, building a strong and cohesive development culture.
- Managed cloud infrastructure on AWS, optimizing for cost, scalability, and reliability to support rapid growth.
- Drove the adoption of CI/CD pipelines to streamline development workflows and reduce time-to-market for new features.

- Led cross-functional efforts with product management, design, and marketing teams to deliver a cohesive and impactful user experience.

Senior Ruby on Rails Engineer, LegalShield, Ada, OK *Oct 2019 - Jun 2020 (9 months)*

- Architected an adapter design pattern to facilitate seamless integration with multiple billing companies, enhancing the platform's flexibility and scalability while ensuring robust security measures to protect user data.
- Actively participated in weekly architecture meetings, contributing to the review and creation of new architectures, ensuring scalability, performance, and security of software solutions.
- Mentored junior engineers, fostering a culture of continuous learning and professional growth.

Senior Ruby on Rails Engineer, Aquila Services Inc., San Francisco, CA
Jun 2017 - Oct 2019 (2 years 5 months)

- Engineered financial services applications, focusing on high-security features and compliance with financial regulations.
- Led the transition to a microservices architecture, improving system resilience and facilitating easier updates.

Senior Ruby on Rails Engineer, Goodshop, San Francisco, CA
Aug 2016 - Jun 2017 (11 months)

- Developed e-commerce solutions with integrated charity donation features, increasing user engagement and contributions.
- Implemented robust caching mechanisms and optimized database queries, significantly reducing page load times.

Senior Ruby on Rails Engineer, Telmate, San Francisco, CA
Nov 2011 - May 2012; Oct 2013 - Jun 2016 (3 years 4 months)

- Developed communication and security applications for correctional facilities, focusing on accessibility and reliability.
- Spearheaded the integration of real-time communication features, enhancing inmate and family connectivity.
- Utilized Ruby in conjunction with C++ for backend integrations, alongside Ruby on Rails, to optimize system performance and enable high-efficiency data processing and device communication.

Senior Software Engineer, Coyote Logistics, Chicago, IL
May 2012 - Sep 2013 (1 years 5 months)

- Led the development of a logistics and transportation tracking platform, integrating with ASP.NET and MVC for real-time bidding.
- Improved operational efficiency through the automation of key logistics processes.

Rapid Prototyping Software Engineer (C++ / Ruby on Rails), 4DK, Herndon, VA
May 2008 - Oct 2011 (3 years 6 months)

- Specialized in the development of Ruby on Rails applications for rapid prototyping of use cases for major telecom clients, including Nextel, Alcatel, and Motorola.
- Maintained and enhanced a C++ framework with LUA scripting interoperability, enabling third parties to create application plug-ins within the 4DK middleware platform.
- Contributed to the innovation and development of telecom solutions, ensuring high performance and adaptability to client needs.