

Jamie Macey

Senior Software Engineer

250-327-9519 · jamie@tracefunc.com

I am a results-oriented professional software developer with over a decade of experience in senior and team-lead positions on a variety of web applications and services. I am seeking a position that will allow me to both leverage my strengths and experience as well as pull me out of my comfort zone with new challenges.

Experience

Versapay (<http://www.versapay.com/>)

Toronto, ON, Remote

Software Architect

2020-

- Having long-term experience with this application, acted as a subject-matter expert and code owner for our backend payment processing systems, data flows, and APIs, as well as a mentor for junior developers. In this role as SME, served as a primary internal point of contact for our customer success team to answer technical questions and investigate customer issues.
- In support of the overall product as we deal with integrating a merger of multiple companies, implemented a purpose-built secure data storage system for our credit card and bank account data, allowing for our separate products to share data in a PCI-safe fashion, and led development of internal API integrations both as a consumer and provider to act as a data bridge between our client-facing embedded applications and our backend systems.
- Led core infrastructure upgrades, from Rails 3.2 on Ruby 2.3 to Rails 7.1 on Ruby 3.1, and evangelized for the adoption of improved development tooling, such as 3rd-party licence auditing, test coverage monitoring, improvements to our CI system, and static code analysis running on commit.

Attendease (<https://attendease.com/>)

Vancouver, BC, Remote

Senior Software Engineer

2019-2020

- Primarily led performance/scalability improvement work, including a user-emulating load test plan using Locust for full-stack benchmarking and profiling, and a series of database and code optimizations to increase our concurrent user capacity per server.

Genesis Community Rehab (<https://www.genesiscommunityrehab.com/>)

Toronto, ON, Remote

Software Consultant

2018-2019

- Self-onboarded to a new application in an unfamiliar framework (CakePHP), and implemented 3rd party integrations with Quickbooks and a provincial health claims portal to automate invoice data entry, saving about a man-week of effort monthly.

Versapay (<http://www.versapay.com/>)

Toronto, ON, Remote

Senior Software Engineer

2012-2018

- Maintained and developed new features for a funds-transfer web application as the business has pivoted to a B2B Accounts Receivable platform accepting millions in monthly payments from tens of thousands of businesses.
- Maintained and enhanced (solo) a PCI Level 1 certified credit card payments gateway with connections to 7 merchant processors in 3 countries and currencies, as well as ACH/EFT bank payment processing for 10+ banks.
- Participated in annual PCI audits as our engineering contact. Assessed and implemented mitigations for potential security vulnerabilities brought up by a static code analysis vendor.
- Led core infrastructure upgrades, from Rails 2.x on Ruby 1.9 to Rails 3.2 on Ruby 2.3.

Avid Life Media (<http://www.avidlifemedia.com/>)

Toronto, ON, Remote

Software Developer

2008-2012

- Designed and led development of a white-labelled dating platform in Merb that powered 12 individual sites with over 2 million users; later, with a specific focus on the billing section of the platform to support 5 payment gateways and process tens of thousands of monthly purchases.
- Planned and initiated a rearchitecting to a microservices architecture, extracting components as service apps with the goal of reducing effort required for a port to Rails 3.
- Developed a patch for DataMapper and later ActiveRecord to route read queries to a read-only database replica, allowing us to cheaply scale our databases horizontally for more performance.

Quarter Turn

Toronto, ON

Software Craftsman

2007-2008

- Co-founded Quarter Turn, a software consulting company.
- Worked on a number of Rails-based web applications using agile methodologies.

Bravenet Web Services (<http://bravenet.com/>)

Parksville, BC

Software Developer

2003-2007

- Spent two years maintaining a 100kloc PHP application, including addition of new modules.
- Successfully designed, developed and launched two internal pre-1.0 Ruby on Rails applications.
- Led development on a Rails-based adserving system handling over 200m impressions per month; was responsible for both backend and user-facing components; tackled scalability issues resulting in a near-100x throughput increase.

Education**University of Victoria**

2003

*Bachelor of Science, Computer Science***Skills**

- Veteran Ruby web developer, strong programming foundations, able to pick up new languages and environments quickly.
- Almost 20 years Rails experience, as well as production deploys of Sinatra, Merb+DataMapper, and static websites generated by Jekyll and Middleman.
- Strong knowledge of OO design.
- Strong technical web design skills, including XHTML, CSS, and JavaScript.
- Knowledge of agile development practices, especially test-driven development and working in small frequent iterations.
- Strong knowledge of both Linux and MacOS as a software development environment.
- Experience with server provisioning technologies using Chef and Ansible, as well as limited exposure to the AWS ecosystem.