

SKILLS

Programming Languages: Ruby, Python, JavaScript, CSS/Sass, Erlang, Haskell, Bash
Tools: Rails, Django, React, SQL, Unix, Elasticsearch, Git, Vim, Docker, AWS

EXPERIENCE

Tech Lead & Senior Developer
Bocoup

April 2020 - December 2020
Remote / Boston, MA

- Led project to build an accessibility-focused test harness for the W3C.
- Led greenfield project to build a legal eviction defense tool.
- Managed project planning to meet long-term goals.
- Maintained infrastructure with Ansible, AWS, and Terraform.
- Built, tested, and deployed web applications made with React, Redux, and Express.
- Triageed, addressed issues, and improved documentation for open source projects.

Senior Developer
Context Travel

September 2017 - March 2020
Remote / New York City, NY

- Built and maintained Rails, Angular, and Backbone apps.
- Optimized the performance of a complex e-commerce site.
- Worked closely with product, design, and marketing to increase conversion.
- Mentored junior developers.
- Built a tech team with a healthy remote culture.
- Provided leadership and guidance to determine the technical roadmap.

Backend Developer
Hemnet

January 2015 - July 2016
Stockholm, SE

- Developed, deployed, and maintained complex Rails and Node applications.
- Improved uptime and performance for a site with over 2 million visitors per week.
- Performed dev-ops functions including maintaining Puppet and on-call duties.
- Added metrics to provide measurable insight into platform characteristics.
- Contributed patches to our own and third-party open source libraries.
- Upgraded from Rails 2 to 4 while ensuring uptime.
- Increased test coverage from 20 to 80 percent.
- Switched from Oracle to PostgreSQL and Elasticsearch.
- Collaborated and communicated with other teams to promote developer happiness.

Lead Developer
FundedByMe

February 2013 - December 2014
Stockholm, SE

- Built Django Web app for an international crowdfunding platform.
- Worked with Product to prioritize features and triage tickets.
- Instituted and enforced a culture of automation, CI testing, and code reviews.
- Conducted technical interviews for the development team.
- Expanded and managed development team onboarding documentation.
- Automated deployment process with Fabric, CircleCI, and Heroku.
- Increased development team transparency via release notes and issue tracking.
- Published, tested, maintained, and documented open source libraries.

Developer

Klarna

May 2011 - January 2013

Stockholm, SE

- Designed, developed, and tested secure APIs in Erlang using OTP behaviors.
- Worked with an agile team on fault-tolerant backend infrastructure for global e-commerce.
- Communicated and presented to team and key stakeholders.
- Facilitated the release process including the development of tools.
- Integrated with external services and open source libraries.

Mechanical Engineering Co-op

MIT Lincoln Laboratory

January 2010 - June 2010

Lexington, MA

- Designed LASER Optical Module for XPrize competition.
- Developed and conducted preliminary tests of module components.

Undergraduate Research Assistant

Center for High-Rate Nanomanufacturing

June 2008 - December 2009

Boston, MA

- Co-authored: "Engineering Low-Aspect Ratio Carbon Nanostructures: Nanocups, Nanorings, and Nanocontainers," ACS Nano, 2009.
- Optimized process to grow densely packed, vertically-aligned, single-wall nanotubes.
- Operated and developed recipes for chemical vapor deposition furnace, ion mill, inductive coupling plasma, electron beam evaporator, and scanning electron microscope.

Torpedo R&D Engineering Co-op

Naval Sea Systems Command

January 2009 - August 2009

Washington, D.C./Newport, RI

- Created expense plans and a process for tracking expend pressure vessel tests.

EDUCATION

University of British Columbia, Vancouver, BC, Canada

Expected Graduation December 2021

Masters of Engineering Leadership in Dependable Software Systems

Northeastern University, Boston, MA, USA

Graduation April 2011

B.S. Mechanical Engineering, Honors College

G.P.A. 3.76/4.0