

## 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 April 2020 - December 2020  
*Bocoup* 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 September 2017 - March 2020  
*Context Travel* 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 January 2015 - July 2016  
*Hemnet* 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 February 2013 - December 2014  
*FundedByMe* 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 May 2011 - January 2013  
*Klarna* 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 January 2010 - June 2010  
*MIT Lincoln Laboratory* Lexington, MA

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

Undergraduate Research Assistant June 2008 - December 2009  
*Center for High-Rate Nanomanufacturing* 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 January 2009 - August 2009  
*Naval Sea Systems Command* 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 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