

**SKILLS**

Programming Languages: Ruby, Python, Erlang, Javascript, CSS/Sass, Haskell, Bash  
Tools: Rails, Django, PostgreSQL, Unix, Elasticsearch, Git, Vim, Docker, AWS  
Natural Languages: English (fluent), Swedish (proficient)

**EXPERIENCE**

Backend Developer January 2015 - July 2016  
*Hemnet* Stockholm, SE

- Developed, deployed, and maintained complex Rails, Node, and Scala applications.
- Improved uptime and performance for a site with over 2 million visitors per week.
- Performed devops 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  
*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 expenditures to help shape the budget.
- Modeled MK54 Torpedo engine parts and assemblies.
- Coordinated Otto fuel compatibility, insensitive munitions, and deep-depth pressure vessel tests.

## EDUCATION

Northeastern University, Boston, MA  
B.S. Mechanical Engineering, Honors College

Graduation April 2011  
G.P.A. 3.76/4.0