

Chris Arcand

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LINKS

Github:// [chrisarcand](#)
LinkedIn:// [chrisarcand](#)
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EDUCATION

UNIVERSITY OF MINNESOTA

BACHELOR OF SCIENCE

COMPUTER SCIENCE

December 2013 | Minneapolis, MN
Software and Data Systems Development
College of Science and Engineering

BACHELOR OF MUSIC

MUSIC PERFORMANCE

May 2011 | Minneapolis, MN
Clarinet performance
School of Music | College of Liberal Arts

COURSEWORK

Structure of Computer Programming I
Structure of Computer Programming II
Discrete Structures in Computer Science
Machine Architecture and Organization
Elementary Computational Linear Algebra
Program Design and Development
Algorithms and Data Structures
Intro to Operating Systems
Formal Languages and Automata Theory
Internet Programming
Intro to Computer Networks
Practice of Database Systems
Network Programming
Intro to Data Warehousing
Software Engineering I
Programming Languages

WORK EXPERIENCE

HASHICORP

ENGINEERING LEAD / SENIOR ENGINEER II

April 2020 – Present | Minneapolis, MN

- Led multiple teams in the Terraform organization, including advocating for a new team dedicated to the Terraform practitioner experience, working across the product from the popular open source tool itself to its commercial platform. The team has become one of the most vital teams to the product and grown from 1 to 11 people.
- One of three authors and patent inventors of Terraform Cloud Agents, the most complex and flagship feature of the Business tier of the platform.
- An early employee joining at 250 people, helped oversee the massive growth of the engineering organization as the company scaled to 2,600+ and became a publicly traded company in December 2021. Conducted IC, management, and product interviews across the engineering organization.

SENIOR ENGINEER

August 2018 – April 2020 | Minneapolis, MN

- Responsible for all backend services related to Terraform Cloud/Enterprise: writing features, maintenance, operations, reliability, availability, and security of a core Rails application and Go microservices.
- Maintained and wrote features for HashiCorp Sentinel - a policy as code language embedded in all HashiCorp products.
- Led a rewrite of the entire complex authorization layer of Terraform Cloud, unlocking the ability for the engineering organization to build more complex and performant features around permissions in the future - with nearly no regressions on a live multi-tenant SaaS platform and several vulnerabilities exposed and fixed in the process.

SOFTWARE FOR GOOD SENIOR SOFTWARE ENGINEER

March 2018 – August 2018 | Minneapolis, MN

- Developed web and mobile applications for organizations working toward positive environmental and social change.
- Mentored Software for Good's junior developers and participants in the SfG Intern Cohort program.

RED HAT PLATFORM ENGINEER; TEAM LEAD

December 2015 – March 2018 | Washington, DC & Minneapolis, MN

- Committer on ManageIQ, the open source cloud management platform that powers Red Hat CloudForms. (<https://github.com/manageiq>)
- Member of the platform team, which owned many of the core components of the CloudForms Management Engine: work queues, role and worker management, reporting, replication, chargeback, access control, authentication, web APIs and configuration of the CFME appliance, including the Ruby, Rails, and gem environments as well as PostgreSQL and Apache.
- Proposed, prototyped, and executed development of a new GraphQL API for CloudForms 5.0, serving as technical lead of the project team.
- Supported ManageIQ's chargeback system, which allows users to calculate monetary virtual machine charges based on tags. Maintained a custom ActiveRecord adapter to allow Rails 5+ to work with oVirt databases using PostgreSQL 8 (unsupported upstream).

SKILLS

PROGRAMMING

Proficient in:

Go • Ruby • Python • JavaScript

Also versed in:

Elixir • Java • PHP • C • C++

OTHER

GraphQL • REST • Git

Unix-based systems (Linux & Darwin)

Amazon Web Services

Agile Development Methodologies

Full-stack responsibility

WORK EXPERIENCE (CONTINUED)

SPORT NGIN (NOW NBC SPORSENGINE) SOFTWARE ENGINEER

August 2013 – November 2015 | Minneapolis, MN & Washington, DC

- Developed a SaaS platform for amateur and professional sports organizations with applications built in Ruby (Ruby on Rails) and JavaScript (Node.js)
- Extensive experience with agile, full-stack development: building RESTful APIs, architecting internal DevOps tools, and engineering large-scale web applications to thousands of clients.
- Maintained the platform's authentication service utilizing OAuth and syncing of users' platform personas across microservices using message queues.
- Co-authored Opsicle, a tool bringing Amazon OpsWorks functionality to the command line for deployment, monitoring and configuring of applications.

NODUS INCORPORATED WEB DEV & SYSTEMS ADMINISTRATOR

September 2007 – August 2013 | Minneapolis, MN

OTHER

- Considerable experience with working on a distributed team, having successfully worked as a self-motivated remote since 2014.
- Experienced public speaker, having spoken on technical and 'soft' topics at both national and international conferences in addition to serving on their event committees (e.g. RubyConf, Open Source North, RailsConf, RubyKaigi...).
- Featured guest on several tech-related podcasts including Parent Driven Development and the Remote Ruby Podcast.
- Co-organizer of RubyMN, the Twin Cities' foremost group of Ruby enthusiasts from around the metro area.

For more information, please visit <https://chrisarcand.com>