Chris **Arcand**

Principal Software Engineer · Team Leader · Technical Mentor

5304 Barry Lane, St. Paul, MN 55110 | United States of America

☐ (+1) 651.202.1242 | ✉ chris@chrisarcand.com.com | ⌂ www.chrisarcand.com | ⬡ chrisarcand | in chrisarcand

Education

University of Minnesota, College of Science and Engineering   *Minneapolis, MN*

BACHELOR OF SCIENCE IN COMPUTER SCIENCE   *2013*

- Speciality: Software and Data Systems Development

University of Minnesota, School of Music   *Minneapolis, MN*

BACHELOR OF MUSIC IN MUSIC PERFORMANCE   *2011*

- Clarinet performance

Experience

IBM Software   *St. Paul, MN (Remote)*

PRINCIPAL ENGINEER   *March 2025 - Present*

HashiCorp was acquired by IBM in March, 2025 and integrated into IBM Software.

- Member of R&D's Central Architecture Group, tasked with ensuring consistent operational requirements, API standards, IAM systems, and cross-product integrations.

HashiCorp   *St. Paul, MN (Remote)*

PRINCIPAL ENGINEER   *May 2022 - March 2025*

- Co-architect and patent inventor of Terraform Stacks, a new runtime for Terraform CLI + HCP Terraform that allows users to automate and optimize the coordination, deployment, and lifecycle management of multiple interdependent Terraform configurations across many deployment environments.
- Helped scale the company from 200 to 2,000+ employees, mentoring various new teams in the Infrastructure Product Line as a senior member of technical leadership.

ENGINEERING LEAD / SENIOR ENGINEER II   *April 2020 - May 2022*

- 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.
- Co-author and patent inventor of Terraform Cloud Agents, the most complex and flagship feature of the Business tier of the platform.

SENIOR ENGINEER   *August 2018 - April 2020*

- 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   *Minneapolis, MN*

SENIOR SOFTWARE ENGINEER   *March 2018 – August 2018*

- 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   *Washington, DC & St. Paul, MN (Remote)*

Platform Engineer / Team Lead   *December 2015 - March 2018*

- 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).

Sport Ngin (Now NBC SportsEngine)   *St. Paul, MN & Washington, DC (Remote)*

Software Engineer   *August 2013 - November 2015*

- 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   *Minneapolis, MN*

Web Developer & Systems Administrator   *September 2007 - August 2013*

Skills

Programming (proficient)	Go, Ruby, Python, Javascript, Terraform, SQL
Programming (familiar)	Elixir, Java, PHP, C, C++
Other	REST, Git, GraphQL, Unix-based systems, Amazon Web Services, Agile Development Methodologies

Innovation

Agent application for managing information technology infrastructures   *HashiCorp, Inc. (2021)*

Patent Inventor   *US20220329480A1*

Systems and methods for managing multi-component, multi-deployment infrastructure-as-code configurations for cloud computing platforms   *HashiCorp, Inc. (2024)*

Patent Inventor   *18/756,694*

Other

- Considerable experience with working on a distributed team, having successfully worked as a self-motivated remotee 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.