

# Julian Nadeau

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## Experience

### Senior Software Developer

*Platform, GitHub*

2019-Present  
Toronto, Canada

- Managed a company wide initiative and team to modernize and improve the deploy process at GitHub
- Primary point of contact for numerous widely used REST and GraphQL APIs across the GitHub Ecosystem
- Planned and implemented new cross-system features to support the rollout new products in both Ruby on Rails and Javascript stacks

### Instructor

*University of Toronto*

2019-Present  
Toronto, Canada

- Designed and implemented an innovative curriculum (<https://csc491.dcsil.ca>)
- Teach senior students in a formative capstone design course and help them gain the knowledge necessary to run a successful web startup

### Software Consultant

*Developer Productivity & Tooling*

2019  
Toronto, Canada

- Consulted and advised companies on developing strategies and tooling around their own developer productivity needs within their organizations
- Helped mitigate the risks of growing an engineering department by reducing friction within the teams and developing tools to aid their work

### Production Engineer

*Developer Acceleration & Tooling, Shopify*

2015 - 2019  
Toronto, Canada

- Created the highest appreciated developer tool to manage dependencies and project provisioning for over 1000 developers and set new standards across the organization
- Designed a scalable system to detect and treat non-deterministic tests that is capable of handling billions of data points a week using a Kafka streaming job
- Managed continuous integration needs and automated code signing for the Android and iOS platforms by developing, designing, and creating mobile infrastructure components

### Mobile Software Developer

*Retail Products, Shopify*

2013-2015  
Ottawa, Canada

- Increased performance and user experience of the mobile products by introducing key features in the iOS applications and the back-end Ruby on Rails Shopify application
- Increased confidence and speed of the development cycle by introducing automated test suites and architecting in-house continuous integration systems

## Key Experience

- Highly knowledgeable in various web technology stacks such as Ruby on Rails and Javascript, as well as other stacks such as Golang, Bash, ruby, and Python
- Worked in a data centre-driven and cloud-driven environments, with experience managing these environments using Chef, Packer, and Terraform
- Experienced public speaker having spoken at multiple international and local conferences, and running multiple communities
- Designed highly scalable systems using data streaming technology to manage billions of data points in real-time

## Education

**Honours Bachelor of Science, Specialization in Computer Science**, University of Ottawa, Cum Laude 2015

## Selected Highlights

**Community Manager - Developer Productivity** 2018-Present

- Manage a community of around 400 individuals focused on the topic of developer productivity, efficiency, and tooling: <https://chat.devproductivity.io>

**Avoiding Cognitive Overload - Tests for Productivity and Education** 2018

- Conference Talk in Sendai, Japan. <https://jnadeau.ca/presentations/rubykaigi2018/>
- This talk focuses on strategies, solutions, and best practices that are employed to help educate and accelerate developers by providing them information “just in time”

**Git Issues at Scale** 2018

- Conference Talk in Toronto, Canada. [https://jnadeau.ca/presentations/github\\_constellation\\_2018/](https://jnadeau.ca/presentations/github_constellation_2018/)
- This talk dives into some of the key issues that arise with using the Git version control system at scale and explores some solutions I worked on to mitigate these concerns

**Improving Boot Time of Ruby Applications by 60%** 2017

- Conference Talk in Hiroshima, Japan. <https://jnadeau.ca/presentations/rubykaigi2017/>
- This talk focuses on our strategies and solutions which improved our boot time by 60% to reduce friction for developers and increase the productivity of your organization

**Guest Lecturer, Carleton University** 2017-2018

**Bundler Organization, Contributor** 2017

- Worked with the Bundler team (<https://bundler.io>) to improve start time performance of Ruby's standard dependency manager by over 60%

**Code for Kids, Founder** 2013-2015

- Founded and ran a not for profit organization aimed at teaching programming to children and was sponsored by, among others, Google, Shopify, CIRA, CompTIA, and Adobe