

# Julian Nadeau

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## Experience

### Senior Software Developer

*Platform, GitHub*

2019-Present  
Toronto, Canada

- Reduced request queuing time by 40% and total site wide request time by 2%, and reduced company wide Memcached calls by over 2B calls/hour by redesigning and developing a new pattern for feature management
- Drastically improved developer experience of deploys for GitHub.com, aiding in increasing the developers' net satisfaction scores by 30-40% company wide.
- Planned and implemented new cross-system features to support the rollout of products in both Ruby on Rails and Javascript stacks

### Instructor

*University of Toronto*

2019-Present  
Toronto, Canada

- Designed an innovative curriculum for senior undergraduate and graduate students in a formative capstone design course aimed to help students gain the knowledge necessary to run a successful web startup (<https://csc491.dcsil.ca>)
- Founded and led a department-wide conference to connect students with industry

### 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 to mitigate risks of a growing organization

### 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 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, taught at a world-renowned university, and run 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

**Dept. Computer Science Industry Day** 2021

- Organized an event attracting over 200 University students and 30+ industry speakers aimed at mentoring students and connecting students to industry professionals

**Developer Productivity Community** 2018-Present

- Managed a developer productivity community with 400+ people

**Avoiding Cognitive Overload** 2018 & 2019

- Conference Talk at Ruby Kaigi 2018 in Sendai, Japan and DevOps TO 2019 Meetup in Toronto, Canada
- 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

- 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 at Ruby Kaigi 2017 in Hiroshima, Japan.
- 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

- Improved boot time of Ruby’s dependency manager (<https://bundler.io/>) 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