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Tyler Boyd

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Education

Bachelor of Software Engineering, Honours Co-op

University of Waterloo

- Graduated with distinction, Class of 2019
- Took 2 of the "Big 3": Compilers (98%, CS444) and Real-Time Programming (87%, CS452)

Experience

Senior Software Developer, TradeRev, Toronto, ON

May 2019-Present

- Developed major features (New as-is, CDK, Okta SSO) using Node.js and Grails
- Championed developer happiness by fixing many long-standing issues with legacy codebase
- Improved performance and stability by reducing API calls by 50% in production and preventing cascading failures
- Architected and built a dealer consignment microservice with Ruby on Rails
- Built CI/CD pipelines for old and new apps, using Helm/Pulumi to deploy to k8s clusters
- Set up Cypress tests running on all PRs to ensure quality and improve stability
- Mentored new hires, gave talks, and built internal programs to transform the Engineering culture

DevOps Coop, TradeRev, Toronto, ON

Fall 2018

- Managed AWS infrastructure, application, and Jenkins pipelines
- Developed a Jenkins pipeline for the creation of entire environments with Terraform
- Built pipelines for deploying new kinds of projects (AWS Glue ETL jobs, ECS applications)

Developer Intern, Shopify, Ottawa, ON

Summer 2015, Winter 2016, Summer 2017

- Designed and developed a resilient tax API integration with Avalara
- Implemented front end design for installation and managing settings
- Architected ETL and data warehousing for shipping label price adjustments

Founder, PromoSuite, Ottawa, ON

Summer 2013 & 2014, Fall 2016, Winter 2018

- Designed & implemented the web application (database structure, MVC architecture, routing patterns, authentication, eCommerce integration, admin dashboard, etc)
- Developed a fast, beautiful frontend using Materialize & React
- Managed the system admin tasks (setting up & managing multiple servers)
- Grew the business to millions in annual sales over the platform

Ruby on Rails Intern, NiteRoll Inc., Ottawa, ON

Summer 2012

- Used RSpec and Capybara to write tests
- Refactored hundreds of lines of code to improve readability and stability
- Developed a workflow for client-side cropping of profile pictures

Technical Skills

Languages: Ruby, Go, JavaScript/TypeScript, SQL, HTML5, CSS, Java, C/C++
Technologies: Ruby on Rails, React, Node.js, Angular, PostgreSQL, Grails
Tools: Jenkins, Docker, AWS, Terraform, Unix, Git, JIRA
Methodologies: Experienced with Agile Development, Scaled Agile Framework
Fields of interest: Full-stack web, DevOps, Real-time embedded (ARM), Security

Projects

MyPS, Founder

2013-Present

- Was responsible for everything related to the web application
- Configured automatic testing & deployment for the virtual servers
- Talked with clients to determine the needs of the project and how to satisfy them
- Released it to the Promo industry, quickly growing a userbase