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Tyler Boyd

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Experience

Software Development Team Lead, TradeRev, Toronto, ON

May 2019-Present

- Developed major product features using Node.js, Grails, and .NET
- Championed developer happiness and productivity by fixing many long-standing issues with legacy codebase
- Improved performance and stability by reducing API response times by 50%
- Architected and built a dealer inventory microservice with Ruby on Rails
- Built CI/CD pipelines for old and new apps, using Helm to deploy to Kubernetes clusters
- Set up Cypress tests running on all PRs to ensure quality and improve stability
- Championed OpenTelemetry adoption, instrumenting all of our core apps to provide observability into them
- Mentored new hires, gave talks, and built internal programs, helping transform the Engineering culture
- Managed a high-performance .NET 6 service to process checkouts across the entire KAR Global enterprise
- Designed and built a micro-frontend in Svelte for buyers to checkout with automated tests and deployments

DevOps Intern, 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 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 for Shopify's Core Rails app
- Implemented front end design for installation and managing integration 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

Technical Skills

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

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)

Projects

MyPS, Founder

2013-Present

- Managed everything related to the web application
- Configured automated testing & continuous deployment to Kubernetes
- Worked with clients to determine their needs and how to improve the application