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Tyler Boyd

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Experience

Software Developer Tech Lead, OPENLANE (formerly TradeRev), Toronto, ON

May 2021-Present

- Mentored coworkers, gave talks, and built internal tools to help transform the Engineering culture
- Built and maintained a high-performance .NET 6+ service to process checkouts across the entire enterprise
- Designed and built a micro-frontend in Svelte for buyers to checkout, with automated tests and deployments
- Architected and led a major project to consolidate all of our financial operations in a single system
- Conducted dozens of interviews for senior software developer roles
- Balanced responsibilities as an individual contributor with responsibilities of technical program management
- As part of the "core" team, raised the bar for quality across the teams by reviewing code and educating others

Senior Software Developer, OPENLANE (formerly TradeRev), Toronto, ON

May 2019-May 2021

- 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
- Promoted to Senior after 1 year for consistently exceeding expectations
- Built CI/CD pipelines for old and new apps, using Helm to deploy to Kubernetes clusters
- Set up E2E 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

Founder, PromoCatalyst, Ottawa, ON

Summer 2013-Present

- Designed & implemented the web application (database structure, MVC architecture, routing patterns, authentication, eCommerce integration, admin dashboard, etc)
- Developed a fast, beautiful frontend using Material UI & React
- Managed the operational tasks (setting up & managing multiple servers, kubernetes, CI/CD)
- Worked with customers and sales to grow the business to millions in annual sales over the platform

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

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
Areas 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