PATRICK DEMIAN

Senior Software Developer

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EXPERIENCE

03/2022 - 10/2024
Toronto, Canada

Senior Software Engineer
Flexport (Formerly Shopify Logistics, Formerly Deliverr, Inc)

· Worked on developing a reliable and fast shipping API from a warehouse to your front door built with Typescript
· Architected and implemented service isolation strategies, including dependency decoupling and rate limiting, to prevent cascading failures
· Reduced our time to detect incidents/fires from several hours to under 15 minutes
· Coached and mentored other team members, driving project success and fostering skill development
· Built code to interface directly with carrier APIs to avoid third party latency
· Profiled and optimized our services reducing response time by approximately 10% on all rating and label purchasing endpoints
· Enhanced the shipping process by adding support to include gift messages and packing slips
· Transitioned our serverless microservices to Docker images for smoother and faster deployments
· Increased on-call operational excellence with better metrics, better monitoring, and better documentation
· Improved our stress testing code using K6 to be able to handle Black Friday/Cyber Monday volumes

02/2021 - 03/2022
Toronto, Canada

Software Development Engineer I
Amazon

· Focused development on a Java based backend API service for Amazon Kids+
· Worked at scale using AWS handling upwards of millions of customers across many geographic regions
· Lead several stories on expanding our APIs, analyzing, designing, and drafting documents outlining the new architecture
· Upheld Amazon's insistence on the highest standards with a near 100% test code coverage and team code reviews
· Performed on-call duties, resolving production issues, pipeline issues, and customer support issues
· Conducted A/B and load testing using internal Amazon services to ensure our services can handle Amazon's scale

07/2018 - 02/2021
Toronto, Canada

Developer
Tata Consultancy Services Canada

· Worked on a Java spring-boot application that calculated risk for millions of trades at a major financial institution
· Resolved several issues plaguing production by performing refactoring on decades-old code
· Extended the application to accept a new data source with Kafka by prototyping, integrating, and testing the components required to realize the data stream
· Updated supporting architecture that facilitated database access, networking, and application monitoring

05/2016 - 08/2017
Toronto, Canada

Co-op Software Developer
Climate Change Canada

· Maintained the most trafficked Government of Canada website using PHP, Perl, JavaScript, and XSLT
· Delivered several high-visibility features used by millions of Canadians
· Fixed dozens of non-trivial long-lived bugs, organized a large established codebase, and implemented modern security features

05/2015 - 08/2015
Mississauga, Canada

Co-op Junior Software Developer
Rogue Specialty Transport

· Oversaw the design and development of internal tools using C#, WPF, and Microsoft Transact-SQL
· Drafted a plan on developing future big data expansion with Hadoop under a Linux environment
· Worked alongside the data analytics department to collect, aggregate, and display up to date logistical information

05/2014 - 08/2014
Toronto, Canada

Software Developer
Ryerson University

· Headed the design and development of a cross-platform mobile application for students utilizing C#, PHP, and SQL
· Delivered a self-updating app by producing a RESTful API and a web portal to professors
· Self-taught mobile app development on the job with no interference to the tight project schedule and code quality
· Optimized code and threading of the UI for a better user experience upon completion of the project

EDUCATION

09/2013 - 06/2018
Toronto, Canada

Bachelor of Science
Ryerson University

· Computer Science major with Honors

SKILLS

.NET   Agile   APIs   AWS   Bash   Big Data   C   C#   C++   Datadog   Git   Java   JSON   Javascript

Linux   Load Testing   Mentoring   PHP   Python   SQL   Systems Design   Typescript   Reliability Engineering