

## SKILLS

<b>LANGUAGES</b>	Java, Typescript, Javascript, Python, C++, C#
<b>BACKEND</b>	Node.js, Express, Spring Boot, REST APIs, PostgreSQL, SQL Server, Prisma
<b>FRONTEND</b>	React, Next.js, Angular, Tailwind, HTML/CSS
<b>INFRASTRUCTURE</b>	AWS (S3, Lambda), Docker, CI/CD, Maven, Webpack, Git

## EXPERIENCE

**Software Engineer** | Workday Inc. - Vancouver, BC (Jul 2021 - May 2025)

- Led the integration epic for Manager Insights Hub, designing cross-team REST API contracts and a normalized data layer across multiple services. Enabled 3 product teams to ship features independently, reducing new data source onboarding from a multi-sprint project to a contract definition and PR.
- Built and shipped GenAI-powered Talent Highlights end-to-end: data assembly pipeline, prompt engineering with Workday's ML platform, and a data attribution system ensuring every AI-generated claim traced to a source record.
- Co-led STRIDE threat modeling for AI features prior to GA, mitigating prompt injection, cross-boundary data leakage, and privilege escalation. Built input sanitization and eligibility-based access controls.
- Shipped features across core HCM products (Feedback, Performance Reviews, Succession Plans) using Java/Xpresso, React, REST APIs, and PostgreSQL in an Agile CI/CD environment.

**Innovation Engineer** | Scotiabank FactoryU - Waterloo, ON (Sep - Dec 2020)

- Implemented server-side rendering with Webpack and Express for Scotiabank's Auto Loan application, improving initial page load and SEO for a customer-facing product integrated with Jaguar Land Rover's purchase flow.
- Designed a JWT + AES encryption proof-of-concept for secure inter-party communication, adopted as the foundation for the team's authentication approach.

**Java Developer** | CAPCO - Toronto, ON (Jan - Apr 2020)

- Reduced Maven build time from 25 to 16 minutes by extracting code generation for 40+ third-party APIs into a separate repository. Published versioned jar files to Maven Artifactory, enabling reuse across builds and rollback to previous versions if a new API definition broke the build.
- Upgraded HTTP REST API clients to Feign clients with circuit breaker fallback mechanisms, improving fault tolerance across 11 Spring Boot microservices in the PC Financial banking platform.
- Maintained rigorous TDD with Groovy and Mockito across all feature work in a regulated banking environment.

**Software Engineer** | ADP - Toronto, ON (Jan - Apr 2019)

- Optimized ADP's Workforce Now logging console from 3-second to sub-0.5-second load times by replacing synchronous XHR calls with asynchronous callbacks and implementing a global data cache that eliminated redundant server requests on scroll. Measured across 12 executions on 4 machines.
- Built RESTful web services in Java with Spring MVC and developed React components for the WFN migration tooling used by the DevOps and QA teams.

**Full Stack Developer** | Fast Access Blockchain - Markham, ON (May - Aug 2018)

- Built the company's blockchain health monitoring system from scratch using AngularJS, Node.js, and Chart.js, designing 4 real-time visualizations (block creation times, block time distributions, mining difficulty trends, and chain tip analysis) to detect network anomalies.
- Designed anomaly detection thresholds that flagged suspicious forks greater than 3 blocks in length. The system detected an actual 51% attack in production, catching forks of length 32, 52, and 60 and alerting the development team immediately.
- Built the data ingestion layer using the Fabcoin API, designing efficient batch-fetching strategies to work within 8-second API response times per 50-block batch while keeping the dashboard responsive.

## PROJECTS

**SponsorReady** -- Co-founder & Engineer - Remote (March 2026 - Present)

Canadian immigration document preparation platform for spousal sponsorship. Automates form completion, eligibility checks, and document validation that typically costs \$2,000+ through consultants. 13 IRCC forms, 17 conditional rules, AI-powered cross-form validation via Claude API. TypeScript, React, Next.js, PostgreSQL, Prisma, Stripe, AWS S3

**Billr** - Remote (February 2026 - Present)

Solo Developer Invoicing platform for Canadian freelancers with automated HST/GST calculation. Handles multi-province tax rules, recurring invoice scheduling, and Stripe Connect for direct payouts. React Native, Firebase, Stripe integration.

## EDUCATION

**Bachelor of Software Engineering** - University of Waterloo (2015 - 2021)

## INTERESTS

Travel, skiing, photography, fashion, culinary arts, languages