

Raman Bhandari

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Experience

- Amazon** | Software Development Engineer I 06/2025 - present
Vancouver, BC
- G3 Canada** | Developer I 08/2024 - 06/2025
Winnipeg, MB
- Resolved a **race condition** causing **8% login failures**, reducing errors to **1.2%** by fixing session timeout handling. Diagnosed and deployed the solution using logs, Dynatrace, and Azure.
 - Reduced **service worker errors** on iOS Safari from **19%** to **<2%** by replacing a faulty offline-plugin with a **no-op service worker** and optimizing caching with **NGINX**, ensuring reliable app updates.
- Priceline Inc** | Software Developer Intern 01/2024 - 03/2024
Winnipeg, MB
- Improved** pricing transparency for millions of users by leading API compliance updates to meet U.S. regulations, **ensuring** final prices were displayed upfront for B2B partners.
 - Reduced **log storage by 90%** and extended visibility to **30+** days by migrating from Splunk to New Relic with PHP Agent and Terraform, **reducing** operational overhead.
- G3 Canada** | Junior Developer Intern 01/2023 - 12/2023
Winnipeg, MB
- Cut manual testing time by **30%** and improved regression test accuracy by automating QA with Selenium and Jest, streamlining the QA process.
 - Contributed to SMS notification feature by handling backend integration with ServiceNow and frontend with JavaScript, React and Redux, leveraging TeleSign.
- Priceline Inc** | Software Developer Intern 05/2022 - 08/2022
Winnipeg, MB
- Boosted server response time by **86%** for a high-traffic API endpoint by **refactoring API architecture**, reducing latency and enhancing performance.
 - Optimized 4+ API endpoints with **PHP 7.4+**, **PHPUnit**, and **Postman**, improving stability **by 20%** and ensuring smooth version transitions.

Projects

- Vamoose! - Group Trip Planner** | *Tech Lead, Next.js, Node.js, Supabase, MongoDB, Docker* 01/2025 - 04/2025
- Spearheaded** architecture and delivery of a **scalable web platform** with **real-time collaboration**, leading a 5-person team across 4 Agile sprints and managing **system design**, **DevOps**, and **code quality**.
 - Implemented robust CI/CD pipelines (GitHub Actions, Docker, SonarCloud), real-time messaging via WebSockets, and **dual-database integration**, achieving **>80% backend test coverage** and secure deployments.
- Distributed Blockchain Peer & Miner** | *Python, Rust, CUDA, C++, Event-Driven OOP* 10/2024-12/2024
- Developed a Python-based blockchain peer capable of **synchronization**, consensus, and state management, utilizing **event-driven object-oriented programming** for efficient network communication & protocol handling.

Leadership

- .devClub** | Advisor 05/2024 - present
- .devClub** | President 05/2023 - 04/2024
- Led a team of **12+** members, organizing events for **2000+** students, including the **largest hackathon** in Manitoba with **350+** participants and 9 sponsors.

Skills

Languages | Java, Python, C, C++, Ruby, PHP, JavaScript, Rust, SQL, HTML/CSS
Technologies | React, Ruby on Rails, Expo, React Native, Apollo GraphQL, Node.js, Express.js, Flask
Tools | Git, PostgreSQL, Azure, Google Cloud (GCP), MongoDB, Terraform, Dynatrace, Kubernetes, Docker, Postman

Education

University of Manitoba | Bachelor of Science in Computer Science, Co-op, Minor Mathematics April 2025
Undergraduate Student Research Award '21 (\$7,000), International Student Scholarship '21, Dean's Honour Roll '21
Involvement: .devClub, Computer Science Students Association, UM Student Union, CUSEC