

Alexander Bhasin

alexander.bhasin@gmail.com | alexbhasin.ca | github.com/alexbhas | [linkedin.com/in/alexbhas/](https://www.linkedin.com/in/alexbhas/)

Experience

Full Stack Developer	January 2025 – Present
Daitoku Co.	Ottawa, Canada
<ul style="list-style-type: none">Developed cross-platform mobile apps in Swift, Kotlin, and React Native, ensuring parity across devicesBuilt dynamic web interfaces with Svelte, reducing frontend bundle sizes by up to 40% over legacy frameworksMaintained PostgreSQL and MongoDB databases, optimizing data models for scalability and performanceManaged deployments on AWS, using S3, CloudFront, and EC2 to serve content with 99.9% uptime	
Cloud Engineer	July 2023 – April 2025
Sitecore	Ottawa, Canada
<ul style="list-style-type: none">Saved \$20,000 in monthly overhead by writing automation scripts to streamline customer-facing operationsAuthored advanced KQL queries to mitigate DDoS attacks on Azure websites handling 30M+ monthly requestsUsed Selenium and Azure CLI to automate incident reports with screenshots and diagnostics for faster resolutionPresented Generative AI use cases to 200+ industry professionals, showcasing integration with cloud monitoring	
Web Developer Co-op	Sept 2022 – Dec 2022
Bank of Canada	Ottawa, Canada
<ul style="list-style-type: none">Enhanced custom WordPress deployments, improving usability for over 1,000,000 monthly visitorsPerformed accessibility audits with cross-functional teams, resolving 50+ WCAG compliance issuesEnsured proper regression testing through the development of test cases using Cucumber and PHPUnitParticipated in sprint planning, stand-ups, and retrospectives within an Agile team, improving team workflow	
Software Developer Co-op	Sept 2020 – Dec 2020
Paphus Solutions	Ottawa, Canada
<ul style="list-style-type: none">Contributed to the open source AI platform BotLibre, through the deployment of new chatbot functionalitiesAdded NLP functionality to classification analytics in TensorFlow, increasing the capabilities of analytics by 100%Upgraded an Apache Tomcat server to ensure seamless AI feature deployment, increasing project scalabilityMigrated 4000+ lines of code written in Java to Objective-C, to maintain Android and iOS mobile applications	

Projects

- Kana DT**, a learning tool built with **SvelteKit** designed to enhance language acquisition through engaging **UI/UX**
- frOCR**, an application that extracts text from images and translates it using Tesseract OCR and DeepL
- Red Pyramid**, a dungeon crawling role-playing game built in **Kotlin**, using LWJGL to render simple 3D graphics
- Larry David Talkabot**, a program that integrates TorToSeTTS with **OpenAI** models to deliver a comedic bot
- RFID Collision Avoidance**, a simulation that models the work of an RFID anti-collision algorithms research paper

Education

Carleton University	Sept 2018 – April 2023
Bachelor of Computer Science, Honours Cybersecurity Stream, 3.9/4 GPA	Ottawa, Ontario

Skills

- Languages:** Python, Java, Kotlin, C, C++, JavaScript, TypeScript, PHP, Swift, SQL, HTML, CSS, Lua
- Technologies:** Node.js, Express, React, Svelte, MongoDB, PostgreSQL, Android, iOS, Linux
- DevOps:** AWS, Azure, Docker, Kubernetes, CI/CD, Prometheus, Grafana
- Developer Tools:** Git, VS Code, Xcode, Postman, Jira, L^AT_EX
- Foundations:** Artificial Intelligence/Machine Learning, Object-Oriented Programming, Algorithms and Data Structures, Agile Development, CI/CD, W3C Accessibility Standards, Systems Security, RESTful Design, UI/UX design