Stephen Crocker

St. John's, NL

linkedin.com/in/stephen-crocker-nl | github.com/SearchingSteve | stezzly.github.io/Personal-Portfolio

Education

Bachelor of Computer Science (B.Sc.)   Sept 2017 - Dec 2025
Memorial University of Newfoundland

Accelerated Software Development (Honours)   Jan 2024 - May 2025
Keyin College

Bachelor of Business Administration (B.B.A.)   Sept 2019 - May 2025
Memorial University of Newfoundland

Projects

LexAI – *Next.js, React, TypeScript, Prisma, MongoDB, OpenAI, Tailwind CSS*
- Co-developed a **full-stack AI tutor app** integrating multiple AI APIs (OpenAI, Gemini, Ollama) with secure user authentication, winning "**Most Technical Award**" at 2024 NL Hackathon.

Whatchu Cooking? – *Mobile Development, Flutter, Firebase, Dart*
- Co-developed a **cross-platform recipe sharing app** utilizing **Firebase Firestore** for real-time data synchronization and **Cloud Storage** for scalable image management across multiple platforms.

Tune Tracker - *Java, React, Spring Boot, MySQL, AWS (EC2, RDS, S3)*
- Built a **full-stack music library app** with React and REST API, deployed on **AWS infrastructure** with comprehensive testing using Postman and Mockito.

Various Games – *Unity (C#), Blender*
- Developed and optimized **10+ cross-platform games** in Unity for mobile, desktop, and web deployment.
- Published 10 complete games on stoozly.itch.io generating over **1000+ plays**.

Experience

Co. Innovation Centre – Digital Service Assistant   Sept 2025 – Dec 2025
- Built and deployed **automated business workflows** using **Power Automate**, streamlining **membership lifecycle management** and eliminating repetitive manual tasks across multiple systems.
- Administered **access control systems**, managing **keycard provisioning and deactivation**, improving **security compliance** and ensuring accurate, role-based building access.

Keyin College – Peer Tutor   Jan 2025 – Current
- Tutored **5+ students** in programming and mathematics by providing personalized, hands-on support, resulting in **improved grades** and **stronger technical problem-solving skills**.

LadderSpike – Software Development Intern   2024 – 2025
- Redesigned **3+ key components** of the company website including product design and product viewer.
- Contributed to the overall theme update, improving **user engagement.**

Technical Skills

- **Languages:** *Java, JavaScript, SQL, Python, R, Dart, JSON, HTML, XML, PHP*
- **Frameworks:** *React.js, Next.js, Express.js, Node.js, Flask, Spring Boot, .NET, Mockito, Hive, Bottle*
- **Tools:** *AWS (EC2, S3, RDS, Lambda), Docker, Maven, MongoDB, PostgreSQL, Jest, Git, GitHub Actions, Postman, Jupyter, Flutter, Firebase, Android Studio, Figma*
- **Methodologies & Principles:** *OOP, REST APIs, Database Design, MVC, CI/CD, TDD, Authentication & Authorization, Version Control*

Certifications & Achievements

- **AWS Certified** Solutions Architect Associate.
- **3x AWS Academy Graduate** – Cloud Foundations, Cloud Developing, and Cloud Architecting.
- **QA/QC Certified** Tester Foundation Level 4.0 – ISTQB®.
- **Introduction to Generative AI** with Andrew Mercer.