BRANDON CROWTHER

SENIOR SOFTWARE DEVELOPER

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Senior Full-Stack Software Developer with 8+ years of experience architecting and scaling multi-platform applications on AWS. Skilled across diverse languages and frameworks, with expertise in DevOps, infrastructure-as-code, and cloud-native architecture. Proven track record modernizing legacy systems, optimizing performance, and delivering solutions that serve hundreds of thousands of users across government, healthcare, and education sectors.

SKILLS

- **Frontend:** JavaScript, React, HTML, CSS, Cypress, Jest
- **Backend:** Node.js, PHP, Java, Spring Boot, MySQL, PostgreSQL, Yii
- **Cloud/DevOps:** AWS, Terraform, Kubernetes, Git, Docker, Continuous Integration
- **Project:** Project Scoping, Technical Architecture, Technical Writing, Stakeholder Communication, RFP Support, Work Estimation, Agile Methodology
- **AI/LLM Tooling:** Claude Code, Codex/GPT, OpenCode, Developer Enablement

CAREER HIGHLIGHTS

- Designed and deployed a **high-availability AWS application** serving **300,000 – 500,000** monthly users with **99.9% uptime**.
- Directed the modernization of a legacy **React** application **boosting performance by up to 40x** with zero loss in function, resulting in faster load times and improved user experience for tens of thousands of users.
- Led the **AI Engagement Taskforce** at VeroSource responsible for driving increased adoption across the company
- Created a **distributed**, **cloud-native load testing** tool that enabled enterprise-scale performance validation.

EDUCATION

Bachelor of Computer Science | University of New Brunswick

Fredericton, New Brunswick (2013 - 2018)

- Student Union Representative, Faculty of Computer Science
- 2x NSERC Undergraduate Research Award Recipient
- 2x Undergraduate Peer Mentor

WORK HISTORY

Healwell AI (acquired: VeroSource Solutions) | Senior Software Developer

Fredericton, New Brunswick (2021 - Present)

Technical lead across multiple high-profile government and healthcare platforms. Notable achievements at the company include:

- Acting leader of the **AI Engagement Taskforce** at the VeroSource Solutions Healwell AI business unit.
- Acting **UI development lead** for a project connecting over **35,000 monthly users** with their own personal health care information.
- Led the progressive modernization of a web portal connecting residents with social support programs for over **20,000 monthly users**, creating a feature rich experience for users while **improving performance up to 40x**.
- Directed the complete **rehosting and re-architecture** of a province's healthcare website and employee intranet. Achieved a benchmark **99.9% uptime** while serving **300,000 – 500,000 monthly users**.
- Stepped in post-launch to lead stabilization and enhancement of a **mobile livestreaming application** for funeral homes, ensuring reliability and privacy for families attending services remotely on Android and iOS.

Stack: React, React Native, Java, Spring Boot, Drupal, Node.js, PHP, MySQL, Postgres, AWS, Docker, Kubernetes, Swift, Android

The Learning Bar | Software Developer

Fredericton, New Brunswick - 2018 - 2021

- Worked as a full stack developer on a variety of educational testing and survey software products.
- Designed, trained, and implemented a **specialized neural network** to detect duplicate data entry from clients, automating multiple weeks of annual repetitive data cleanup.
- Developed a cloud load testing tool capable of performing **distributed load tests**, enabling large-scale performance tests.

Stack: Java, Spring Boot, Angular, PHP, Yii, Laravel, MySQL, AWS, Tensorflow