



Walter Karabin

Computer Engineer

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[Personal Website](#) [LinkedIn](#) [Github](#)



SOFTWARE ENGINEERING EXPERIENCE

Software Engineer / Technical Lead, HR.com, Georgina, ON (May 2022-Present)

- Built a custom “transpiler” that translates code into modern typescript
 - Over 13,000 files with over 3 million lines of code refactored
- Proficient in multiple AWS services (EC2, ECS, S3, RDS, Route 53, IAM)
- Utilize terraform to manage resources (Infrastructure as Code)
- Lead maintainer on the Repo, Manage Code Merges and Deployments
- Leader & Mentor
 - Coach team members 1 on 1 (May 2024 to present)
- Build processes and workflows to optimize developer/QA team integration (Asana)
- Developer Onboarding
 - Dockerized the entire application for single command local setup
 - Develop comprehensive documentation to streamline onboarding for developers

Tech Environment: Node, React, Typescript, Github, MySQL, AWS, Terraform, Docker, Linux, Windows, MacOS

Software Engineer (Part Time), Caldwell Recognition, Mississauga, ON (August 2023-July 2024)

- Developed a custom plugin to automate updates for imported products.
- Employed PHP to implement logical processes for checkout and cart functionalities.
- Engineered customized logic for presenting information to registered users and visitors.

Tech Environment: PHP, Wordpress, MySQL, Javascript & CSS, HTML5

Software Engineer (Part Time), Karabin Design Build, King City, ON (May 2023-Jan 2024)

- Develop a custom application for internal accountability
 - iOS application built in Swift & SwiftUI
- AI integrations to streamline data cleansing
- Server integrations with 3rd party APIs such as OpenAI, Harvest, Google, etc.

Tech Environment: Swift, SwiftUI, Node, Angular, Typescript, MongoDB, AWS (EC2, S3, Route 53, IAM), Github, OpenAI API, Prompt Engineering

RELEVANT PROJECTS

Battery Zapper, PC game (2022, Self-directed)

- Self-directed project for the MiniJam 100: Overload
- Coded custom shaders for in-game textures and effects
- Trello organizational software allowed for easy tracking and completion of tasks

Tech Environment: Unity, Github, GLSL, C#

EDUCATION

BASc, Computer Engineering, Queen's University, Kingston, ON (2017-2022)

- Relevant courses: Software Development, Object Oriented Programming, Human-Computer Interaction, Information Structures, Software Specifications, Database Management Systems, Design Thinking, Engineering Design & Practice
- \$2000 Excellence Scholarship Queen's University (2017)

St. Andrew's College, Aurora, ON (2013-2017)

LEADERSHIP EXPERIENCE

Varsity Athlete, Captain, MVP, Queen's Football (2017-2022)

- Team Captain
- Balanced a full Engineering course load with a rigorous 40+ hour training schedule
- Head of the Unity Council, Player lead initiatives
- Lou Bruce Recipient, Most Outstanding Defensive Player (2021)
- Johnny Evans Recipient, Most Valuable Player (2022)

HOBBIES

- Snowboarding
- Surfing
- Heavy Equipment Operation
- Musically inclined (Guitar, Piano, etc.)
- Fortnite Esports player, Queen's University (2020)
- Acting