

Luke Fischer

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Education

University of Guelph

Honours in Computer Science, Minor in Business. Major GPA: 84%.

Guelph, ON, Canada

Sep 2018 - Dec 2022

Skills

Programming Languages: Java, C, C#, Python, SQL, JavaScript, HTML5, CSS, Shell

Frameworks & Tools: React.js, Spring Boot, Postman, .NET, Kubernetes, Linux, YAML, AWS, MongoDB, MS SQL Server, SQL

Development Practices: RESTful APIs, Microservices Architecture, OOP, MVC, Parallel Programming, SDLC

Collaboration & Workflow: Git/GitHub, Jira, Agile/Scrum, MS Teams, Slack

Soft Skills: Organization, Communication, Problem Solving, Time Management, Attention to Detail

Work and Experience

Candescent (formerly NCR Voyix)

Software Engineer

Waterloo, ON

Sep 2023 - Present

- Developed **50+ full-stack features** using **Java, YAML, HTML, CSS, JavaScript**, and **Postman**.
- Created **RESTful APIs** for microservices, enabling seamless integration with external APIs like **CXI**, improving system interoperability.
- Leveraged **Kubernetes** and **Docker** to streamline development, automate deployments and eliminate local build dependencies, saving significant developer time.
- Conducted comprehensive testing and debugging, reducing production bugs and improving system reliability.
- Collaborated in an **Agile environment**, participating in sprint planning and team reviews to meet user story goals.
- Assisted in onboarding new developers by providing technical guidance, documentation and mentorship, ensuring they adapted quickly to the development environment and tools.

Acknown Inc

IT Support Intern

Guelph, ON

May 2022 - Sep 2022

- Set up and maintained workstations and performed backups across **Windows, Mac, and Linux** systems.
- Researched and recommended **remote access and monitoring tools**; adopted by the CTO and CEO to improve workflows.
- Communicated effectively with work staff to troubleshoot their equipment problems.

Projects and Certificates

Introduction to Artificial Intelligence with Python ([see accreditation](#))

Issued by Harvard University, December 2024

FanQuarters

www.fanquarters.ca ([see demo](#))

November 2024

- Designed and deployed a full-stack fantasy football application featuring a **React.js front-end**, **Java Spring Boot back-end**, and **MongoDB database**.
- Integrated real-time data feeds from **Sleeper APIs** through custom **RESTful endpoints** to provide live updates on player statistics, trending players, and league matchups, ensuring users always have access to the most up-to-date information.
- Implemented a **League AI Assistant** feature using **OpenAI's API** to assist users with personalized insights, player recommendations, and strategic advice for managing their fantasy leagues.
- Deployed the application on **Heroku**, enabling reliable hosting, seamless scaling, and custom domain integration.
- Focused on front-end design principles to deliver an aesthetic and intuitive user interface, incorporating **responsive layouts**, **dark-themed elements**, and a consistent design throughout the web application.

AWS Cloud Practitioner ([see accreditation](#))

Issued by Amazon Web Services, May 2023

STC Pick'ems

Stratford Tennis Club

Stratford, ON

June 2023

- Developed a [full-stack website](#) for the Stratford Tennis Club, employing **.NET, C#, CSS, HTML**, and **MS SQL Server** technologies, hosted on **Azure**, to serve over **30 users**, providing a platform where members can predict grand slam outcomes.

University of Guelph Independent Project in Computer Science

De Bruijn Sequences and Their Constructions - Discrete Mathematics

Guelph, ON

Jan 2022 - April 2022

- Selected by **Dr. Sawada** to research and implement algorithms from ["Arbitrary-length analogs to de Bruijn sequences"](#) in C.
- Authored a [16-page research paper](#) and delivered a **30-minute presentation** to faculty.