


Michias Shiferaw

Software Engineering • 4th Year Student

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Summary Of Qualifications

- 4th year software engineering student at the University of Ottawa, graduating in December 2024
- 12+ months of experience in software development
- Experienced eager and confident member in each step of an application cycle from conception to completion
- Excellent communication and teamwork skills honed through the University of Ottawa Software Engineering Students Association's Academic Member position
- Programming experience with Java, Python and JavaScript
- Fluent in English, intermediate in French

Education

University of Ottawa 3.6 GPA

Ottawa, Ontario

BASc. in Software Engineering

September 2020 - December 2024

Scholarship: Admission Scholarship, Costco Scholarship, First Generation Bursary, Dean Merit

Relevant Coursework: Software Project Management, Object Oriented Programming, Data Structures & Algorithms, Database, Operating Systems, Software Quality Assurance, Data Communications & Networking, Software Construction, Analysis & Design User Interfaces

Projects

Personal Website

NextJS, Vercel, TailwindCSS, JSON (<https://michias.vercel.app/>)

- Developed a thorough **NextJS** personal website.
- Compiled a custom NES-themed **TailwindCSS** style.
- Utilized **JSON** object to render objects including work, school experience, and achievements.

Hospital Patient Management Tool

Typescript, Vercel, MongoDB, Kotlin, (<https://caresync-hms.vercel.app/>)

- Incorporated the frontend with **TypeScript**, aligning with the Single Page Application (SPA) architecture pattern.
- Implemented the server-side logic in **Kotlin**, following Domain-Driven Design (DDD) principles.
- Utilized **MongoDB**, a **NoSQL** database, for storage and persistence, enabling efficient and flexible querying of data.

Blog

ReactJs, Vercel, GraphQL, (<https://acrudi.vercel.app/>)

- Created a dynamic tech blog website using **ReactJs** on a **Vercel** app.
- Launched a backend system with **GraphQL** to store and retrieve blog data.

e-Hotel

ReactJs, Express, Node, PostgresQL

- Developed an advanced hotel website using **ReactJS**.
- Established the backend infrastructure with **NodeJs** and **Express.js** to manage hotel information, **API requests**, and user authentication.
- Employed **PostgresQL** to store hotel and personnel data.

FaceYourFood

React, SCSS, Bootstrap5, JavaScript, JSON, Firebase, GitHub (<https://faceyourfood.netlify.app/>)

- Composed a high-level recipe website using **ReactJS**.
- Integrated a **Firebase** project as the **back end** to store recipes.
- Implemented **Bootstrap 5** as the front-end framework to provide a vibrant application.

Work Experience

Software Engineering Students Association at University of Ottawa

Ottawa, Ontario

Academic Coordinator

September 2023 - Present

- Displayed transparent communication within the academic team, clarifying expectations and ensuring a shared understanding of responsibilities.
- Embraced in varied responsibilities by assisting in various academic events, demonstrating flexibility and a dedication to fostering a positive academic atmosphere within the organization.

Trend Micro

Kanata, Ontario

Cloud One Software Developer

September 2022 - December 2022

- Research secure methods in cloud infrastructure using Golang, Jenkins, Linux, and Java.
- Develop and maintain AWS microservices using Lambda, CloudFormation, DynamoDB and S3.

University of Ottawa

Ottawa, Ontario

Software Engineer

January 2022 - April 2022

- Designed, planned, and developed websites using JavaScript, HTML, CSS as requested by the client.
- Planned and scheduled biweekly sprints that satisfied the client wishes to have online hubs with learning modules for undergraduate medical students.
- Presented the work of the website to the client in weekly scrums, to ensure a harmonious result for the client.

Code the Dream

Durham, North Carolina (Virtual)

Web Developer Tutor

July 2021 - January 2022

- Displayed leadership skills through constant motivation through positive feedback on students' assignments.

- Presented a high degree of organization skills through maintaining records of all student scores on assignments.
- Demonstrated punctuality skills by producing assigned grades in a timely manner so markings can be returned on a regular basis.

The Association of Faculties of Medicine of Canada (AFMC)

Ottawa, Ontario

IT Technician

April 2021 - September 2021

- Strengthened web development skills by supervising the transfer of DNS through GoDaddy and Google Domain.
- Exemplified punctuality by surpassing the projected deadline of Microsoft 365 environment deployment.

Skills

Languages: Java, ReactJS, JavaScript, NodeJS, Python, CSS, SQL, HTML, C++, MongoDB, Express

Tools: Docker, Jenkins, Ubuntu, AWS, Slack, Junit, TestNG, Selenium, NPM, CMD, GitHub, GitLab, Jira, Confluence, Microsoft Office, Notepad++, Visual Studio, VSCode,

Database: GraphQL, Data Models, Firebase, Microsoft SQL Server, PostgreSQL, MongoDB

Soft Skills: Adaptability, Agile frameworks, Bilingual, Communication, Conceptual Skills, Creative Thinking, Leadership, Software Development Life Cycle, Teamwork, Time Management, Troubleshooting.