

Bassam El-Naggar

basamaym148@gmail.com ❖ (519) 501-9140 ❖ Waterloo, Ontario, Canada

<https://bassam.netlify.app>



TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, C, C++, Ruby, Elixir, MySQL, MongoDB, HTML, CSS

Frameworks: React.js, React Native.js, Vue.js, Node.js, Express.js, Socket.io, Django, Ruby On Rails, Phoenix

Developer Tools: Git, Docker, AWS, Google Cloud, Linux, Apache, Nginx

WORK EXPERIENCE

theScore

Backend Software Developer (Sports API)

January 2024 – April 2024

Toronto, Ontario, Canada

- Investigated and implemented garbage collector tuning for the ruby runtime that improved latency by >10% across the entire application
- Created an abstraction layer across the application that allows for instant switching between cloud service providers.
- Optimized database queries that improved latency by >7% across several important endpoints.
- Wrote several GraphQL queries for improved performance.

Pexhouse

Full Stack Software Developer – Full Time

May 2023 – August 2023

Bolton, Ontario, Canada

- Designed the hosting, matching and serving of restaurants features on the backend using node.js and deployed the backend to a remote server on an AWS EC2 instance.
- Designed and created the UI of the application with react native, coupled with the socket integration with the backend using socket.io.
- Implemented a restaurant promotion payment system using Stripe.
- Created a beta release build that was sent to thousands of users.

GrantMatch

Full Stack Software Developer – Full Time

September 2022 – December 2022

Oakville, Ontario, Canada

- Designed several APIs, including the grant assessment API, which is used by thousands daily.
- Designed multiple frontend pages of the online portal, which are used by all internal and external users daily.
- Wrote and deployed multiple web scrapers which greatly improved efficiency of the Data team.
- Migrated data from previous database to new PostgreSQL database.
- Wrote several unit tests, increasing code coverage by over 20%.
- Automated several background tasks, greatly reducing workload of the Data team.

Pexhouse

Full Stack Software Developer – Full Time

January 2022 – April 2022

Bolton, Ontario, Canada

- Used Yelp API to implement background logic of application.
- Developed and maintained new features of pexhouse.com website.
- Developed several pages of LetsGo Dining mobile application.

VOLUNTEER EXPERIENCE

Muslim Student Association at the University of Waterloo

Tech Team Lead

January 2023 – August 2023

Waterloo, Ontario, Canada

- Developed several core pages of the UW MSA website.
- Developed the backend users API using the GraphQL standard.

SIDE PROJECTS

Harmonise: A fully functional social media that doubles as a music sharing application. Uses React.js and React Router on the frontend. The backend is built using Node.js. MongoDB is used for the database and an AWS S3 bucket is used for image storage. <https://harmonise.netlify.app>

EDUCATION

University of Waterloo

B.A.Sc of Computer Engineering

September 2021 – Current

Waterloo, Ontario, Canada