

Bassam El-Naggar

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<https://bassamelnaggar.com>  

TECHNICAL SKILLS

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

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

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

WORK EXPERIENCE

theScore

Backend Software Developer (Sports API)

January 2024 – April 2024

Toronto, Ontario, Canada

- Investigated and implemented garbage collector tuning for the [Ruby On Rails](#) runtime that decreased latency by >10% on >100 M daily requests
- Created an abstraction layer that integrated [Google Cloud](#) and allowed instantaneous switching between [Google Cloud](#) and [AWS](#).
- Rewrote several database queries in [MySQL](#) and [PostgreSQL](#) that decreased latency by >7% across several important endpoints.
- Wrote several [GraphQL](#) queries for improved performance.
- Created dashboards on [Splunk](#) and [Datadog](#) to better monitor important endpoints

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 [Socket.io](#) 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 the [Stripe API](#).
- Created a beta release build that was sent to thousands of users on [Android](#) and [iOS](#).

GrantMatch

Full Stack Software Developer – Full Time

September 2022 – December 2022

Oakville, Ontario, Canada

- Designed several [REST API's](#), including the grant assessment API, using [Python Django](#), which is used by thousands daily.
- Designed multiple frontend pages of the online portal using [Vue.js](#), which are used by all internal and external users daily.
- Wrote and deployed multiple web scrapers using [Python](#) and [Terraform](#) which greatly improved efficiency of the Data team.
- Migrated data from previous database to new [PostgreSQL](#) database using [Python Pandas](#).
- Wrote several unit tests, increasing code coverage by over 20% using [Pytest](#).
- Automated several background tasks using [Python](#) and [Celery](#), greatly reducing workload of the Data team.

Pexhouse

Full Stack Software Developer – Full Time

January 2022 – April 2022

Bolton, Ontario, Canada

- Used the Yelp API to implement the backend [REST API's](#) of the LetsGo App.
- Developed and maintained new features of pexhouse.com website using [Node.js](#) and [React](#).
- Developed several pages of LetsGo Dining mobile application using [React Native](#).

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 using [React Native](#).
- Developed the backend users [GraphQL API](#) using [JWT](#) and [TypeScript](#).

SIDE PROJECTS

Harmonise: A fully functional social media that doubles as a music sharing application. Uses [React](#) 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