Bassam El-Naggar

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https://bassam.netlify.app

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, 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
Developer Tools: Git, Docker, AWS, Google Cloud, Linux, Apache, Nginx, Datadog, Splunk

WORK EXPERIENCE

theScore   **January 2024 – April 2024**
Backend Software Developer (Sports API)   *Toronto, Ontario, Canada*

- Investigated and implemented garbage collector tuning for the Ruby On Rails runtime that decreased latency by >10% on >10 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   **May 2023 – August 2023**
Full Stack Software Developer – Full Time   *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 the Stripe API.
- Created a beta release build that was sent to thousands of users on Android and iOS.

GrantMatch   **September 2022 – December 2022**
Full Stack Software Developer – Full Time   *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   **January 2022 – April 2022**
Full Stack Software Developer – Full Time   *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   **January 2023 – August 2023**
Tech Team Lead   *Waterloo, Ontario, Canada*

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

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   **September 2021 – Current**
B.A.Sc of Computer Engineering   *Waterloo, Ontario, Canada*