# Bassam El-Naggar

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## TECHNICAL SKILLS

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

## WORK EXPERIENCE

**Babylist**                                                              **January 2025 – April 2025**
Software Engineer                                             Emeryville, California, United States

- Built the registry QR Code feature which led to >500,000 registry visits per month using Ruby on Rails and React with TypeScript and SCSS
- Built several affiliate partner integrations, increasing revenue by >$1,000,000 annually using Ruby on Rails
- Optimized the registry item endpoint, decreasing latency across all registries by >15% using Ruby on Rails
- Created two Sidekiq workers that automatically match order numbers to registrant and gift giver purchases which resulted in >60% of incorrect user entries being corrected using Ruby on Rails, Impact Webhooks and Sidekiq
- Built the 'add a shower' feature which allowed users to organize their baby showers, driving >10,000 registry visits per week using Ruby on Rails and React with TypeScript, Storybook, and SCSS

**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 >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**                                                                    **May 2023 – August 2023**
Full Stack Software Developer                                              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**                                                        **September 2022 – December 2022**
Full Stack Software Developer                                           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
- Automated several background tasks using Python and Celery, greatly reducing workload of the Data team

## VOLUNTEER EXPERIENCE

**MSA at the University of Waterloo**                                   **January 2023 – May 2025**
Vice President of Tech                                                 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

## EDUCATION

**University of Waterloo**                                **September 2021 – (Projected) April 2026**
B.A.Sc of Computer Engineering                                       Waterloo, Ontario, Canada