Ben Buscarino

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Profile

I am a Computer Science Senior with a passion for building web applications. Currently seeking a full time position working on challenging problems using modern functional languages.

Education

Computer Science   **09/2015 – present**
Michigan State University   East Lansing, MI, USA
Minor in Entrepreneurship and Innovation.
Expected May 2020.

Work experience

Web Application Developer   **04/2018 – present**
MSU Physics Education Research Lab   East Lansing, USA
Built a greenfield web application that took a pencil-and-paper student feedback and grading system and allowed bleeding edge education research to scale beyond a single classroom.
- Used **Elixir** to build a robust and fast backend using **Phoenix** running on top of **PostgreSQL.**
- Built a beautiful **Elm** frontend that made interacting with the system simple and intuitive, while being robust and maintainable.

Enterprise Infrastructure Intern   **05/2017 – 08/2017**
Fidelity Investments   Merrimack, NH, USA
Logging & telemetry team. Development of consumer interfaces to the Logging Platform, analysis of the collected machine data for metering and billing, and dashboards for various use cases such as monitoring health, audit & security.

- Used **Java 8** to create a web application that aggregates hundreds of thousands of logging and telemetry messages sent hourly from Rocana and Elastic Beats to provide overview statistics via a web dashboard. Application is packaged and deployed using **Docker** and orchestrated using **Docker Compose**. Persistence provided by **PostgresSQL**.
- Used **Gradle 4** and **Drone CI** to create a continuous delivery pipeline orchestrated using **Docker Compose.**
- Operated in a team environment that utilized **Scrum** via **Jira**. Participated in weekly stand-ups and sprint planning meetings.

Co-founder & CTO   **11/2016 – 07/2017**
Horizon IQ   East Lansing, MI, USA
Co-founded a startup with another MSU student and an MSU alumni, developed a product to improve the way people experience cities and find their next stop on their travels using social media data. Raised $30,000 in funding from various startup competitions and Conquer Accelerator.

- Utilized **Node.js**, **TypeScript**, and **Express.js** to rapidly develop a REST API to serve as the backend to consumer mobile app. App was then deployed via **Amazon Web Services** and backed with a **MongoDB** cluster run on MongoDB Atlas**.**
- Used **Android**, **Java 8** and **Gradle** to build an Android application for consumer usage.

Organizations

Triangle Fraternity - Michigan State Chapter (Fall 2015 - Present)

- Administrative Vice President (Executive Board), Fall 2017 - Spring 2018, Fall 2019 - Spring 2020
- Judicial Board Chief Justice, Spring 2017
- Judicial Board, Fall 2016
- Webmaster, Spring 2016 - Spring 2017

Skills

Programming

		Infrastructure	
Java		Docker	
Elixir		Kubernetes	
Elm		AWS	
Python		Google Cloud Platform	
C/C++		Ansible	
Node.js		Nix	
Haskell			

Other

PostgresSQL	
Drone CI	
Sketch UI	