Justin Stribling

4A Software Engineering | University of Waterloo

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Work Experience

Uber | Software Engineer – Marketplace Intelligent Dispatch | Go, Kafka, Thrift   Jan. – Apr. 2018
- Designed and implemented an API and set of pipelines to compute and analyze UberPool efficiency
- Supporting ~30ms production latency with ~400 QPS (and a one-time batch processing of 33 Million requests)
- Cross-team collaborations to gather requirements, meet timelines, and offload service ownership

TextNow | Full Stack Developer – Carrier Provisioning | Go, Kafka, PHP, MySQL, Rails   May. – Aug. 2017
- Implemented an event sourcing architecture for provisioning requests and device history using Go and Kafka
- Refactored multiple Rails services to better separate their functionalities and simplify their communications

TextNow | Full Stack Developer – Wireless Internal Tools | PHP, Rails, MySQL, React   Aug. – Dec. 2016
- Worked on integrating and testing the addition of a new wireless carrier partner   (part time) Jan. – Apr. 2017
- Lead design and implementation of integration with Sandvine to support real-time data tracking
- Created several tools across the stack to manage customer information for use by our customer support teams
  - Subscription management tools including: place on/off hold, suspend, restart and change billing date

Tangam Systems | Software Developer | Angular, jQuery, C#/.NET, HTML5, CSS3   Jan. – Apr. 2016
- Implemented several new features independently on both server (C#/.NET) and client (Angular, HTML5, CSS3)
- Simplified and extended the authentication process and created an API for automated testing
- Participated in design and architecture discussions including SOLID principles and security enhancements
- Lead development of dynamic data visualizations and graphs using D3.js
- Commended numerous times for hard work and innovation though all phases of development

Tangam Systems | QA Developer | Protractor, NUnit, Selenium   Apr. – Sept. 2015
- Improved end-to-end automated test coverage using Selenium-based frameworks (NUnit and Protractor)
- Lead migration and development of the Protractor testing framework for Angular applications
- Liaised between business and development teams to understand, investigate and log complex data issues

Projects

Galleon | Hack the North 2017 | Finalist & Microsoft API Award | Dev Post | GitHub   Sept. 2017
A web service to help streamline the Canadian immigration process. | NodeJS, CockroachDB, FireBase, Azure Bot service
- Developed NodeJS server to query mentor data from CockroachDB and set up user authentication with FireBase
- Selected by Microsoft for having the best use of the Azure Bot service API – used for the FAQs

Runway | UWaterloo EngHack | 3rd Place | Dev Post | GitHub   Nov. 2015 – May. 2016
A collaborative content sharing and messaging site | NodeJS, ExpressJS, AngularJS, Socket.IO, Passport, MongoDB
- Created server with NodeJS, ExpressJS and MongoDB to efficiently handle messaging and content delivery
- Built a Single Page Application using Angular, following best practices
- Achieved 100% unit test coverage on all client facing components using Jasmine

Myo Stress(Less) | UWaterloo EngHack | 1st Place | Dev Post | GitHub   Nov. 2014
Stress relief application | Java, C++, Myo Armband
- Designed and built a Java application that incorporated Redis Pub/Sub and JSON libraries to enable the support of multiple computers and cross platform communication
- Worked efficiently in a team to brainstorm, design, code and test within the 24-hour deadline
- Selected by Thalmic Labs as the "Top Myo Hack" winner for unique and innovative use of gesture control to create numerous virtual weapons for simulated screen destruction

Activities and Interests

Enjoy participating in hackathons, side projects, hockey, kayaking, wakeboarding and snowboarding