Ben Plotke

benplotke@gmail.com
(206) 356 - 4436

Skills

Java, Git, Python, Haskell, SQL (MySQL, T-SQL, H2), REST API, C#, Linux, C, Test Driven Development

About

Capable and driven developer, dedicated to continually listening and learning.

Work Experience

Adaptiva: Backend Dev, 2021-Current
- Spearheaded a complex feature addition, coordinating front and back end developers
- Developed ORM layer over **MS SQL** and **H2 DB** for dynamically creating tables and persisting columnar objects
- Practiced **TDD** using **JUnit**, **Mockito**, and **QuickTheories** (for **property test**s)
- Designed and implemented a system for gathering arbitrary state from endpoints, only sending diffs
- Extensively utilized **locks** and **thread-safe** data structures to implement **concurrent systems**

Microsoft: Bing Backend Dev, 2018-2019
- Generated **Cortana** responses from **big data** sets with **distributed computing**
- Used **NLP** to design triggers for **Cortana** responses
- **Reverse Engineered** technology for which source code and documentation was not available
- Built performant **internal tools** for analyzing and modifying **Cortana** code
- Worked closely with **international teams** including Beijing

HP: Full Stack Developer, 2017 – 2018
- Implemented web pages to match design using **SCSS** and **Razor views**
- Tested and explored endpoints with **Postman** before incorporating into code
- Setup and configured web applications on **IIS**
- Wrote **feature tests** using Selenium, headless Chrome, and HttpMock

Conversica: Integrations Intern, 2016 – 2017
- Transitioned integration processes to horizontally **scalable thread pool**. The new system reduced server load, scaled to handle spikes, and allowed us to guarantee customers faster processing times
- Developed and maintained web UIs for customer success team using **Yii**
- Crafted performant **MySql** queries with careful use of indices
- Helped manage over 50 integrations including FTP, SOAP, and REST

Tune: Data Science Intern, Summer 2015
- Used **R** to generate data visualizations for labeling and presentation
- Wrote a **Python** script for automatically fetching data from databases and AWS **S3** with caching to disk to speed fetches in subsequent runs
- Used **R** packages to do robust statistical analysis
- Crafted a **Python** script for queuing and launching pipelined tasks while remaining within memory constraints

North Seattle College: Math/Computer Science Tutor, 2013 – 2014
- Tutored math and computer science in the general tutoring room
- Privately tutored computer science

Education

- **Western Washington University:** BS in Computer Science, 2017