Branson Lee

(416) 937-9339 | bilee@edu.uwaterloo.ca | bransonl.com | github.com/bransonl | linkedin.com/in/bransonl

Skills

Languages	JavaScript, TypeScript, Python, C, C++, Java, Scala, SQL, Bash
Tools	Docker, Kubernetes, Prometheus, NGINX, Node.js, Flask, RxJS, React, Redux, Angular, Git, Azure

Experience

Finastra *Toronto, Canada*
SOFTWARE DEVELOPER, ADVANCED RESEARCH PATTERNS AND PRACTICES *Jan - Apr 2018*

- Developed Node.js microservices following Twelve-Factor App principles with CQRS and event-based design
- Enabled rapid development by establishing Kubernetes infrastructure on Azure with continuous deployment
- Simplified access to deployed microservices using NGINX load balancing and Prometheus monitoring
- Reduced complexity of deployment to Kubernetes clusters by authoring Helm Charts
- Routinely led training sessions and documented practices to facilitate knowledge sharing of devops work

Got It Inc *Hanoi, Vietnam*
FULL STACK SOFTWARE DEVELOPER *May - Aug 2017*

- Led company adoption of component-based architecture by migrating existing front-end to Angular
- Implemented Angular client for real-time Java tutoring with chat and code collaboration
- Improved company code standards by pushing for and performing code reviews for Python/Flask APIs
- Provided detailed user activity and acquisition tracking using Mixpanel, Appboy, and Google Analytics

Sprout *Toronto, Canada*
FULL STACK SOFTWARE DEVELOPER *Sep - Dec 2016*

- Developed a prescription system to allow health care professionals to assign and track exercise of patients
- Built a goal recommendation engine using Elasticsearch to improve engagement based on user interests
- Improved leaderboard calculation efficiency by optimizing MySQL queries and aggregation algorithm
- Worked in an agile team environment to develop a social network to promote wellness in the workplace

Morgan Stanley *New York City, USA*
TECHNOLOGY ANALYST *Jan - Apr 2016*

- Increased data model migration efficiency and accuracy by building a Scala application to validate data and automatically generate detailed progress reports
- Enhanced ability to debug interest rate derivatives application by implementing user log submission

Projects

Bulletin
PYTHON, FLASK, SQLALCHEMY, POSTGRESQL, TYPESCRIPT, REACT, REDUX, RXJS
Save posts with hierarchical nesting and visualize based on tree structure and importance

Big 2
NODE.JS, EXPRESS, SOCKET.IO, ANGULARJS
Real-time multiplayer Big 2 card game with multi-room, chat, spectator and player substitution functionality

Education

University of Waterloo *Waterloo, ON, Canada*
CANDIDATE FOR BACHELOR OF COMPUTER SCIENCE *Sep 2014 - May 2019 (Expected)*