

WORK EXPERIENCE

Software Developer, Vena Solutions

May - Aug 2016

Java, MySQL, Jetty, Guice, Javascript, Backbone

Toronto, ON

- Built a micro-service to schedule and trigger HTTP requests, currently being used by multiple developers for over 4 new features
- Implemented automatic email notifications, providing a REST API as well as a web-app to customize notification preferences and settings
- Reduced latency by an average of 60% by optimizing database calls
- Improved test coverage by writing Unit tests using JUnit and API tests in Postman
- Led design discussions and performed weekly demos to the entire company

PROJECTS

Web Development

RapidTales - React, socket.io, Node, Express, mongoDB

- Realtime web game in which several players take turns to create a story by building upon each others blurbs
- Integrated Facebook's Graph API for user login
- Used web sockets to transfer game and player information in real time

WhiteBoard - ES6, HTML5 Canvas, socket.io, Node, Express, mongoDB

- Web app to collaboratively create diagrams and drawing on a whiteboard with other people in real time (similar to google docs)
- Handled whiteboard scaling on different screen sizes and changes in user's browser window size
- Designed and implemented an extensive web socket interface

NoteShare - Angular, Node, Express, mongoDB

- Web app to easily store, share and find class notes
- Developed a responsive UI, providing a clean layout across all devices

Mobile Development

OfflineBling - Android, Java, XML

- App that allows users to search on WolframAlpha and Wikipedia without an internet connection
- Utilized the Twilio, WolframAlpha and MediaWiki APIs

Priorify - Top 10 Hacks, EngHack 2015 - Android, Java

- Led a team of 3 to create an app to determine priority of user's tasks based on parameters like due date, difficulty and loss on incompletion
- Demoed successfully to judges and on stage to more than 500 hackers

SKILLS

Languages

Java, JavaScript, C++, C, Python

Web Development

React, Redux, Flux, ES6, Webpack, Babel, Angular, Backbone, Handlebars, HTML5, CSS3

Backend Development

Node, Express, Spark, Apache, mongoDB, MySQL

Mobile Development

Android, SQLite

Tools and Technologies

Android Studio, Git, Bash, Unix, Pivotal Tracker

EDUCATION

Honours Bachelor of Software Engineering

University of Waterloo, ON
2015 - 2020

AWARDS

- University of Waterloo Alumni @ Microsoft Entrance Scholarship in Engineering
- PennApps XIV - Winner of Best use of Linode Services

ACTIVITIES

- Organizer of WearHacks Kitchener-Waterloo 2017
- Organizer of Terrible Hack III at UWaterloo
- Sports, biking, running