

HamzaAzeem

3A Computer Engineering

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WORK EXPERIENCE



Software Engineer

Jan. 2016 - Apr. 2016

- Owned and initiated ELK Big Data project for real-time log management and analytics
 - Created single cluster with rolling indices by date capable of sub-second search times on 100k+ live-streaming logs
- Developed full-stack Web and Android platforms while gaining proficiency in efficient large-scale database organization



Software Engineer

May 2015 - Aug. 2015

- Owned and published scalable new product to Chrome Store
 - POC to Release in under 4 months with now 850+ active users
 - Featured in 2016 keynote at MGM Grand in Las Vegas
- Built large-scale Java + React.js apps and back-end API architecture



Software Engineer

Sept. 2014 - Dec. 2014

- Owned several MVC web-apps and developed in vanilla JS using Synacor's open source light-weight web framework
- Integrated Mocha-Chai-Sinon tools and Python unittest for full coverage testing



Web Developer

Jan. 2014 - Apr. 2014

- Redesigned user-interface for Rogers user dashboard in jQuery
- Executed detailed test cases and documented results across various mobile platforms

PROJECTS

Plan-it! Event Planner, Winter 2016

Android • Java • SQLite • [In active development]

- Role-centric event planner app for ideal use with friends or small groups
- Constructed database in SQLite in accordance with normalization rules
- Implemented logic and designed Material UI following Google's Android best practices

Oracle Eloqua Sales Tools for Chrome, Oracle Eloqua 2015

Javascript • Chrome API • Webpack

- 1st place hack that: queries Eloqua's API for contacts on current web-domain, algorithmic parsing and validation of emails, and contact analysis with Eloqua when on LinkedIn profile
- Modelled with statechart architecture for highly scalable and modular design

PebbleRun, HackTheNorth 2014

Javascript • C • Pebble C API • Maps Javascript API

- Implemented web-app that sends route instructions JSON to Pebble smartwatch for offline, hands-free GPS navigation

PROGRAMMING

Proficiencies

Java • Javascript • C++
HTML5 • CSS

Familiarities

C • C# • Python (BS4, I/O)
GoLang • Node.js • React.js
SQL • ARM Assembly

TECHNOLOGIES

Git • Bash • Android
Vim • Chrome Extensions
ElasticSearch • MongoDB
UNIX • Chrome DevTools

EDUCATION

University of Waterloo

Candidate for B.A.Sc
Computer Engineering
2013 - 2018

Relevant courses

Algorithms & Data Structures
Operating Systems
Compilers
Digital Hardware Systems
Embedded Microprocessors

INTERESTS

Reading
Beatboxing
Spoken Word
Leisure Walks
Travel