

Shahmeer Navid

(613) 929 7915
shahmeernavid@gmail.com
shahmeer.co

Work Experience

Software Engineering Intern

Inkling - San Francisco - Winter 2015

Designed spec for a file format that would allow users to modify an app's UI. Implemented this feature in the BackboneJS app.

Improved test suite reliability by fixing a bug caused by modifications made to a Javascript object's prototype chain.

Wrote a SVN precommit hook in bash that efficiently validated user uploaded SASS files.

Implemented a fullscreen images feature for high resolution assets on Android.

Wrote Python APIs that performed CRUD operations for various database objects. API placed files in Amazon S3 buckets, handled user upload of zip files, and committed files to SVN repositories.

Created initial UI for a module management dashboard using ReactJS and the Flux architecture.

Software Engineering Intern

Kimono Labs - San Francisco - Summer 2014

Re-architected frontend Javascript code using MVC principles & AngularJS, improving application consistency & maintainability.

Designed & implemented frontend & server side components of authenticated API creation feature. Dealt with security concerns of storing user credentials and private data.

Implemented streaming file downloads by parsing & operating on streams of data.

Worked with Redis to move pagination based web crawling into PhantomJS instances.

Technical Skills

Languages and Platforms

Node/Javascript, Python, C++, Android/Java, iOS/Objective-C, Bash, HTML, SASS/CSS, PHP

Frameworks and Libraries

ReactJS, AngularJS, BackboneJS, Tornado, SQLAlchemy, Flask, boost, JavaFX, CoreData

Database Technologies

MongoDB, Redis, PostgreSQL, MySQL, Riak

Cool Projects

GlassBoard @ Hack the North - 2015

<https://github.com/Wojtechnology/GlassBoard>

Augmented reality Google cardboard application that allows users to interact with visual overlays. Makes use of WebGL, HTML5 canvas, and OpenCV.

Python Style List Slicing - Personal Project

<https://github.com/shahmeernavid/PythonStyleListSlice>

Transpiler that adds python style list slicing (`arr[1:2]`, `arr[1:2:3]`, etc) to Javascript. Achieved through modifications to acorn (a Javascript parse tree generator) and escodegen (a Javascript code generator).

WebRTC Chat - Personal Project

<https://github.com/shahmeernavid/webrtc-chat>

React-redux chat room application built using WebRTC.

Argvparser - Personal Project

<https://github.com/shahmeernavid/argparse>

Module that allows node command line utilities to define required/optional arguments, options, and flags in an expressive grammar.

MobAudio @ AngelHacks San Francisco - 2014

<https://github.com/xylochylo/MobAudio>

iOS & Android application that allows users to greatly amplify sound using cell phones. Received Dolby API prize.

Sling @ HACKwaterloo - 2014

<https://github.com/shahmeernavid/waterloohack>

Phonegap & native Android app that allows users to share files.

Education

Bachelor of Computer Science

University of Waterloo

2013 - current