Shahmeer Navid

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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

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, & committed files to SVN repositories.
- Created initial UI for a module management dashboard using ReactJS & the Flux architecture.

Software Engineering Intern
Kimono Labs - San Francisco - *Summer 2014*

- Re-architectured 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.

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, & 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) & 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, & flags in an expressive grammar.

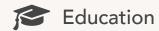### MobAudio @ AngelHacks San Francisco - 2014
https://github.com/xylochylo/MobAudio

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
Dean's Honours List
2013 - current