

Sumbhav Sethia

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Work Experience

Software Engineer, American Express Phoenix, Arizona August 2016 - Present

- Designed a responsive content management portal for department administrators using AngularJS
- Implemented a feature for admins to track credit limit changes in seven global markets using Java
- Managing multiple teams to onboard GitHub Enterprise for all of American Express
- Resolved more than 20 Java, JavaScript, jQuery, and HTML defects in two applications
- Work in an Agile/Scrum environment

Researcher, Arizona State University Yochan Lab Tempe, Arizona May 2013 - Dec 2014

- Interfaced a planner with a NAO robot using Java, enabling it to perform tasks autonomously
- Designed NLP algorithms using Java to dynamically build robot actions using colloquial speech
- Developed an Android application to improve the robot's speech recognition and enable the generation of new robot actions
- Research presented at the 2014 International Conference on Automated Planning and Scheduling

Languages and Technologies, and Skills

Most Experienced Python, C#, Java, JavaScript, REST APIs, Agile/Scaled Agile, Scrum

Working Knowledge Node.js, React.js, AngularJS, AVA, Objective-C, C, SQL, MongoDB, AWS

Projects

NBA PlayerTrack

Source: github.com/BuvSethia/nba-playertrack

An iOS app for NBA fans to stay up-to-date with their favorite players (stats, news, Twitter feeds, bios). The app's player-centric UI is one-of-a-kind and allows fans to quickly find the information they want most.

- Implemented a REST API in C# to fetch data from a SQL database, both hosted on AWS
- Wrote a Twitter trending detection algorithm which processed tweets in real-time to trigger events
- Used caching to decrease application load times by 3 seconds and allow offline app usage
- Created player comparison tools and custom graph generators using 3rd party open source tools

Integrating HDX with TweetTracker

Link: blogtrackers.fulton.asu.edu/app/tweetalyzer

Worked in an Agile environment to develop an extension for TweetTracker which allows users to search, view, and download data from the Humanitarian Data Exchange (HDX).

- Wrote a web crawler in Python to create a self-updating index of all datasets and files on HDX and stored it in a MongoDB collection. Optimized so the first crawl takes twelve hours and subsequent crawls take less than two hours.
- Implemented a REST API to retrieve files and dataset metadata from MongoDB using Python
- Designed an intuitive UI using AngularJS to search datasets and view and download files

react-quick-templates

Source: github.com/BuvSethia/react-quick-templates

Created and maintain an npm package which generates linted React.js component skeletons in a variety of styles. It can also generate multiple components simultaneously, with each having its own custom specifications. Developed using Node.js.

Open Now

Source: github.com/samrawal/HackAZ2016_Pivot3

An Android app which curates and recommends restaurants determined by the user's preferences. Whenever the user opens the app they will immediately see a list of restaurants, making it easy to find the best place to eat. Developed using Java for HackAZ 2016.

Education

Arizona State University Tempe, Arizona

Class of 2016

Ira A. Fulton Schools of Engineering, Barrett, The Honors College

B.S. Computer Science, GPA 4.0