

Sandeep Raghunandhan

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Education

Bachelor's Degree in Computer Engineering
UC San Diego | Graduating June 2019

Courses: Advanced Data Structures, Software Engineering, Computability Theory, Algorithms, Object Oriented Programming in Java, Computer Organization and System Programming

Technical Chair of SangamSD (2016-17)
IEEE MicroMouse Team Member (2016-17)
IEEE Quarterly Project Member (2016-17)
CodePath iOS University Student (2016-2017)

VP Finance of SangamSD (2017-18)

Skills

Development: iOS Development (Swift 3), Java, C++, MySQL, Python, Shell Scripting, Jenkins

Web Development: HTML/CSS/JavaScript, JQuery, React, PHP, Node, MongoDB, Express, Amazon Web Services: S3, EC2, Route53, AngularJS, OpenStack

Work Experience

Software Engineering Intern | Yahoo! Inc. | Summer 2017

Currently working on a project that integrates Apache Traffic Server with accelerated mobile pages (AMP). Wrote C++ plugins to route AMP traffic through a proxy server. Create a Node.js and Express app to validate AMP pages. Integrated caching for quicker delivery of static resources. Tested with Mocha and Protractor unit and functional tests and used a CI/CD pipeline (Jenkins) for deployment.

QA Engineering Intern | Shutterfly Inc. | Summer 2016

Wrote and maintained a functional test suite for the Photos and Media Services API. Created a Grafana dashboard backed by an Elastic Search cluster populated by Selenium and BrowserMob proxy automations to have real-time monitoring of how the company's photo upload speeds compare with Google Photos'.

Software Engineering Intern | Zenbanx Ltd. | Summer 2015

Created a Meteor web app to monitor and query for banking transactions on a MongoDB collection. Worked with AngularJS and Node as the tech stack. Used Amazon Redshift for warehousing old transactions.

Projects (Available on Github)

NOTE REVIEW

Uses: Firebase, AWS, Python, React, JQuery, Google Maps API, HTML/CSS, Spring Boot, Java

A web app for real estate investors to manage and analyze loan note pools. The app generates an interactive listing of properties from an Excel spreadsheet the user uploads. The listing also displays a fetched Google Street View of the property as well as the current price of the property from Zillow.

UCSD STUDENT ORGS API

Uses: Node, Express

REST Services that scrape the UCSD student organization website to provide a formatted listing of all active student organizations as well as a description of a specific organization queried for.

SLEEPR

Uses: Firebase, iOS (Swift 3)

An iOS app where users can write in a sleep journal as well suggest tips for falling asleep to other users.

EVENTS-IOS AND EVENTLIT ON ANDROID

Uses: Firebase, iOS (Swift 3), Android

For two different group projects, my team built an app to keep track, RSVP, and create/edit events for student organizations at UCSD. The first version of the app was built for Android, and subsequently built for iOS.

HEADLINES

Uses: Swift 3

An macOS touchbar application that displays the current headlines on the New York Times.

RESUME MANAGER

Uses: Express, JQuery, Android (Java)

It's like Tinder, but for Recruiters and Interview candidates. A group project built at 2017 LinkedIn Intern hackathon. The project involved creating both an Android app and web front end, as well as a business plan.