RISHAB KANWAL

Student Developer   720-840-2172 | rishab.kanwal@colorado.edu | rishabkanwal.com

EDUCATION

UNIVERSITY OF COLORADO BOULDER | B.S. Computer Science
August 2014 – May 2017 *(Expected)* | Cumulative GPA: 3.46, Major GPA: 3.72 | Dean's List Spring 2016

NARSEE MONJEE INSTITUTE OF MANAGEMENT STUDIES (INDIA) | B.B.A. Business Administration
July 2013 – May 2014 *(Transferred out)* | Cumulative GPA: 3.20

EXPERIENCE

SIGMEND, INC. | Boulder, Colorado
Software Engineer | Techstars Boulder 2016 | March 2016 – August 2016

- Developed a team sentiment tracking Slack Application from scratch written in Node.js using botkit.
- Implemented REST API endpoints for Slack application to manage bot queries and statistics.
- Setup and implemented a SinonJS, ChaiJS and ChaiHTTP testing environment for Slack Application.
- Developed an Android application for kiosks to administer satisfaction surveys and administer employee contests.
- Managed application deployment to AWS Elastic Beanstalk.

FREE & FOR SALE, INC. | Boulder, Colorado
Software Developer | November 2015 – March 2016

- Created a Django 1.9 + PostgreSQL REST API with Basic Auth for authentication using Django REST Framework.
- Integrated Facebook Auth and Graph APIs to Django backend to fetch user login and friend information.
- Managed Django application deployment to Heroku.

BINDASSPARTY, PVT LTD. | Mumbai, India
Mobile Developer | May 2015 – August 2016

- Created e-commerce management tool in native Android and iOS from scratch whilst maintaining identical functionality.
- Added an AES encrypted local SQLite store for data caching and offline viewing on both platforms.
- Integrated REST API calls to Android and iOS to automate fetching and updating data.
- Reduced request call overhead by re-implementing API endpoint structure to improve backend query times and boost front-end JSON parsing time by ~3x.

TECHNICAL SKILLS

PROGRAMMING LANGUAGES
Python, JavaScript/Node.js, Java, Swift, C/C++, Scala, HTML/CSS/Markdown, XML.

FRAMEWORKS, PLATFORMS & TOOLS
Native Android, Native iOS, Django, SQLite, PostgreSQL, Cassandra, Git, Xcode, IntelliJ, JIRA, Pivotal Tracker, AWS (EC2, Elastic Beanstalk, S3).

MISCELLANEOUS
Test driven development, Agile Development, Functional programming, REST API Design, Android/iOS/Website Design, Slack App Development.

RELEVANT COURSEWORK

- Data Structures, Computer Systems, Database Information Systems, Principles of Programming Languages, Algorithms, Object Oriented Analysis and Design, User Centered Design & Development, Big Data, Operating Systems, Machine Learning, Entrepreneurial Projects, Unix System Administration, Human Centered Computing.

INTERESTS

- Entrepreneurship, Data Science, Computer Vision, Functional Programming, Operating Systems & Distributed Computing.

PROJECTS

TWITTICAL | Political Sentiment over time using Twitter Data | Big Data Spring 2016
- Performed sentiment analysis on millions of Tweets over 10 days and plotted sentiment over for the top candidates.
- Spark for batch processing, Cassandra for datastore and Django REST API for AngularJS frontend. Demo: http://bit.ly/twittical-demo

OMMAKE | Project management tool for Contractors | CU Entrepreneurial Capstone
- Third in CU New Venture challenge competition IT Track.
- Node.js Server with Web console and native Android and iOS Applications. Website: https://ommake.com

MIXMATCH | Experience Discovery Hub | Startup Summer Colorado 2016
- Third in Startup Summer Business Pitch Competiton
- Developed native Android mock up for MixMatch. Demo: https://bit.ly/mixmatch-demo

CRIME CROW | Crowd sourced crime data | HackCU 2016
- Won HackCU Twitter challenge.
- Crowd sourced crime data from Latin America using tweet analysis.
- Website + Slack App to get "Crime Map", latest updates and post crime reports.