



Rohit Kumar Rai

Software Engineer

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Github : <https://github.com/rohitrkrai03>

Projects

Work

- **Scribe (Current CMS used by Scroll)**
 - Built the backend and API architecture using **Python (Flask)**, **PostgreSQL**, and various other tools.
- **Current website of Scroll.in** : <http://scroll.in/>
 - Python (Flask)
 - Javascript, jQuery and knockout.js
 - Jade Templating and SCSS for frontend
- **Data Migration from WordPress**
 - Data migration from old Wordpress CMS to new servers for Scroll, Satyagrah and Homegrown
 - Python scripts to automatically migrate old data into new servers with new data structures. Also, resizing images and uploading them on S3 buckets on the go.
- **Video Uploading Tool** for pitching ideas to Scroll
 - Python and Flask with HTML5, CSS3 and Javascript.
- Others:
 - Implemented new article page design and branched API feed with horizontal swipe card sections.
 - Newsletter Management dashboard used to send mailers to all the scroll subscribers everyday.
 - Pageviews updation algorithms and logic for articles of scroll using Google Analytics APIs.
 - Analyzing trending articles on scroll within a specific time period using access logs of web servers.

Personal (Active on Github)

- **Pills** : <http://arkpod.in/pills> - A simple, responsive, and **tiny CSS** grid for mere mortals.
- **Iterators** : <http://github.com/rohitrkrai03/iterators> - A Share Market Prediction Application based on Markov and Hidden Markov Chains Model using historical share market data.
- **VideoSite** : <http://rohitrkrai03.github.io/VideoSite/> - An HTML5 Video Player which plays video in background of the whole webpage based on Bigvideo.js.
- **Mole It** - A simple 2D Android game based on cocos-2d library. The base classes of this game are written in C++ using Android NDK.
- **Avenir2013** : <http://rohitrkrai03.github.io/avenir2013/> - A responsive website for Tech Fest of College, Avenir 2013. Used Twitter Bootstrap and impress.js.
- Others:
 - Python implementation of UNIX based tools like find and grep.
 - Markdown Generator and Server using Flask and markdown module of python.
 - A small chat client server based on echo server module of Python standard library.
 - Minor contributions to
 - **awesome-css** : <https://github.com/sotayamashita/awesome-css>
 - **medium-style-confirm** : <https://github.com/brijeshb42/medium-style-confirm>
 - **dosa** : <https://github.com/shon/dosa>
 - **s3-backups** : <https://github.com/rohitrkrai03/s3-backups>
 - **lazyYT** : <https://github.com/rohitrkrai03/lazyYT>

Skills

Languages

- **Python** - (With high proficiency) **flask** web framework, **Peewee** (ORM)
- **Javascript** - NodeJS as well as Client side (Knowledge of Vanilla JS and JQuery alongwith various MVC frameworks with high proficiency in **Knockout.js** and **ReactJS**)
- Frontend: SCSS & LESS (CSS Preprocessors), CSS, HTML
- Other Languages: C, C++, Java
- Other Technologies: .NET Framework with C#

Tools

- Frontend asset building and task runner with **Gulp**, and dependency management with **Browserify**.
- **Git** - Version Control
- **AWS, DigitalOcean** - Cloud Code Deployment

Education

2010 - 2014

Netaji Subhash Engineering College, Kolkata

Bachelor of Technology in Information Technology

7.96 DGPA



Work

April 2015 - Present

Scroll Media Inc

Software Engineer

September 2014 - April 2015

Tata Consultancy Services Ltd.

Assistant System Engineer