Yash Mehrotra

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EDUCATION

BTech in Computer Science & Engineering
Jaypee Institute of Information Technology
Expected May 2017 | Noida, UP
Cum. GPA: 6.1/ 10
Major GPA: 6.8/10

Grad. May 2011| Hyderabad, India

SKILLS

Experienced:
Python • JavaScript • C • C++
PostgreSQL • MySQL • Elasticsearch
Moderate:
Scala • Ruby • PHP
Familiar:
Go • HTML • CSS • Jquery

Frameworks:
Django • Flask • Ruby on Rails
Express • MeteorJS

Tools:
Vim • Zsh • Git

LINKS

Github:// **yashmehrotra**
LinkedIn:// **yashmehrotra**
Medium:// **@yashm95**
Twitter:// **@yashm95**
StackOverflow:// **yashmehrotra**

ACHIEVEMENTS

• Active member of **OSDC** (Open Source Developers Club) of the college.
• Came 3rd in Execute 14.1 (Intra-College Programming Contest)
• Came 4th in Execute 14.2 (Inter-Hostel Programming Contest)
• Came 4th in Knuth Cup (Annual College Fest Programming Contest)
• Volunteered for OSDConf 2014 , An open-source developer's conference organized by the Open Source Enthusiasts of the college

EXPERIENCE

Samoza | Backend Developer Intern
December 2015 – March 2016
- Currently working on the core platform to build a RESTful API.
- Integrated Elasticsearch as the search backend. Implemented a JWT based authentication system.

Grofers | Software Engineering Intern
June 2015 – August 2015 | Gurgaon, HR
- Worked with the API team to push a multitude of features and bug fixes to the consumer app.
- Worked on the CMS platform and developed features like Asynchronous Task Queuing with Celery, Caching with a Redis backend, SCD Type II Dimensions on multiple tables to implement an Administrative Model.
- Wrote a system for analyzing the carts of the users by indexing them in an Elasticsearch cluster which were fetched through PostgreSQL and used Gearman as an asynchronous task processing queue to allow real-time indexing. Also wrote a blog post for this **here** .

Pixpa | Backend Web Developer Intern
June 2014 – August 2014 | New Delhi, DL
- Integrated Social Login Feature allowing users to signup/login through Facebook. Also wrote a module to track a user's Login Frequency for marketing purposes.
- Gallery Downloader: A feature which allowed creative professionals to download their existing galleries as zipfiles using the Rackspace API.
- Wrote a Customer Relationship Management Tool which allowed users to manage and communicate with their customers for their websites in an improved and efficient way.

OPEN SOURCE

Mozilla | Developer

- #### Mozilla Winter of Security
  September 2015 – January 2016
  - Created new Virtual Reality Interfaces using three.js to visualize various threat actors and security breaches on their MozDef Platform.
  - Worked on simulating those attacks on the Virtual Reality Interfaces using Elasticsearch and MongoDB.
  - Fixed existing bugs in the MozDef Platform.
  - Project Home • My Contributions

- #### Mozilla Firefox
  February 2015 – Present
  - Contributed mulitple bug fixes to Mozilla's Firefox Browser.
  - Project Home • My Contributions

Numpy | Contributor
August 2015 – Present
- Numpy is a Python Library which adds support for large, multi-dimensional arrays and matrices in python, along with a large set of high-level mathematical functions to operate on these arrays.
- Fixed various bugs in the core library.
- Project Home • My Contributions

PROJECTS

All projects available on Github Profile.

Soldier

- Created a wrapper for the subprocess library of python.
- Allows users to perform all system operations and commands with ease.
- Downloaded over 6000 times (as of Jan 2016) through PyPi.
- Project Home: https://github.com/yashmehrotra/Soldier

BookAway

- Co-Founder & Lead Backend Developer
- Built a website built for Buying , Selling and Renting Books among college students.
- Developed the whole backend for the website.
- Designed and Implemented the website's architecture which is based on RESTful API.
- Implemented Search Filters based on JavaScript to ease and pace the browsing experience.
- Also fulfilled the role of a System Admin, being in charge of deployment and uptime.
- Project Home: https://github.com/yashmehrotra/Bookaway

Garuda

- A twitter-clone with all twitter functionality like searching a tag, following users, tweeting and custom feed.
- Made in Python(Django) using MySQL DB.
- Project Home: https://github.com/yashmehrotra/garuda

Greate

- A Command Line tool which converts your existing folder into a GitHub repository.
- Uses GitHub V3 API and is written in python.
- Downloaded over 400 times (as of Jan 2016) through PyPi.
- Project Home: https://github.com/yashmehrotra/garuda

Commit-Strip Downloader

- Commit Strip is a comic strip website featuring funny developer related comics.
- Created a scraper cum dowloader which can download all comics for a given month.
- Project Home: https://github.com/yashmehrotra/commit-strip-dl