

Mayank Jha

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EDUCATION

NATIONAL INSTITUTE OF TECHNOLOGY

B.Tech in Computer Science and Engineering

July 2015 | Durgapur, India

First Class, Distinction

Cum. GPA: 8.48 / 10.00

LINKS

Facebook:// [mayank.jha.71](#)

Github:// [mjnovice](#)

LinkedIn:// [mayank-jha-a895a533](#)

Twitter:// [@mjnovice](#)

Quora:// [Mayank-Jha-1](#)

COURSEWORK

UNDERGRADUATE

Data Structures and Algorithms

Computer Networking + Practicals

Computer Architecture

DBMS + Practicals

Distributed Systems

Software Engineering + Practicals

Operating Systems

SKILLS

PROGRAMMING

Fairly skilled:

Golang • Shell • Python • Javascript

C • C++ • CSS • HTML • MySQL

Django • AngularJS

Familiar:

Java • PHP • Android • PostgreSQL

TECHNOLOGIES

Fairly skilled:

Linux • Redis • HAProxy • Nginx

Locust • Git • Zookeeper

OPEN SOURCE

CONTRIBUTIONS

KDE

Konversation • Trojita • Telepathy

Kate

MISC

Waarta • Geany

EXPERIENCE

FLIPKART Software Engineer, Cloud Platform

July 2015 - Present | Bengaluru, India

- Built a command line provisioning tool for instantiating and destroying the servers by specifying the OS image id etc. Wrote it in **Go**.
- Wrote **Shell** scripts to automate the non functional regression aspects of the load balancer service. Used **Apache benchmark**, **Locust** as the load generation tools.
- Designed and implemented a virtual testing framework for our load balancer service, by making a mock of the entire data center. Used **MiniNExt** library for emulating the network switches, protocols etc. The framework was built in **Python**.
- Designed and implemented the Health Check Service component of the Elastic Load Balancer, used to report the health state of hosts in the data center. Implemented it in **Go**
- Developed a single point dashboard view of various metrics, graph of the Elastic Load Balancer, using **AngularJS** library of **Javascript**.

GOOGLE Summer of Code Intern

May 2014 – August 2014 | Remote

- Worked with the Fedora Project, to build a cached Bug tracking system, called Bugspad. Used **Redis** as the cache, and **Go** as the framework.

GETMEASHOP Python/Django Hacker

May 2014 – August 2014 | Remote

- Made a B2B portal for sellers to list their products simultaneously on multiple e-commerce platforms(Amazon, Flipkart, Snapdeal etc.) using **Haystack**, **Solr**, **Django**.
- Implemented a price crawler for various products on Amazon, Flipkart and Snapdeal using **Scrapy** library in **Python**.
- Made an online test taking application for various subjects like Maths/Physics/Chemistry etc. using **Django**

ASHNIK PTE LTD Winter Intern

December 2013 – January 2014 | Remote

- Designed a UI for a database monitoring system, for a PostgreSQL system. This was done in **Django**, and had to use RRD for the graphing tool.

GOOGLE Summer of Code Intern

May 2013 – September 2013 | Remote

- Worked with Ankur India, to make a tool for the judging the aesthetic quality of fonts for Indic scripts like Devanagari, Bengali, Gujarati, Telugu etc. It compared with a set of standards and give scores on various parameters. Acheived this using the **Python** API bindings of **FontForge**.