Gaurav Jain

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Work Experience

Senior Software Engineer at Mygola Technologies, Bangalore   Sept 2011-Present

Software Intern at Verse Innovations, Bangalore   Dec 2010-July 2011

Software Intern at Saholic, Nodia   May 2010-June 2010

Skills

Programming Languages - Python, PHP, SQL, JAVA, JS

Frameworks/Libraries - Pyramid, Kohana, Flask, CherryPy, Jquery, Scrapy, SqlAlchemy

Datastores - Mysql, Redis, Solr

Projects

Growth Hacking   Team Size - 2

Increased Mygola's traffic by 4X. Implemented ideas to increase index size from 60k to more than 5M and to **increase the crawl rate** wrote an access log analyzer script, optimized slow pages and modified sitemap generation script. Also did some other basic **SEO** sanity things like minimizing duplicate content and optimizing page titles.

Mygola Bookings   Team Size - 1

Designed and developed highly scalable, extensible and configurable bookings infrastructure. To achieve the goals used standard **design patterns** like factory and template.

Performace Tracker   Team Size - 1

Designed and developed Mygola's **performance metrics** and **alerting system**. It helped us in identifying the slow apis and pages. Also developed a configurable dashboard. Used Graphite, Statsd and Seyren.

Rapidfire   Team Size - 2

Designed and developed Rapidfire – Mygola's own mechanical turk. Tool is used to gather and curate data by humans at pace and scale. **Solved some real life algorithmic problems**.

PerfectDay   Team Size – 2

Its an IOS app, I worked on the following components
Bookings - Developed bookings dashboard and all the APIs to be used by support team. Also integrated Stripe for payments.
Feeds - Developed systems to create configs for scraping events and activities, and then curating them. Used Scrapy.
API gateway - Deployed the Openresty distribution of Nginx using Luarock also used Lua for custom logic.
Oauth System - Used a third party library and added support for FB, Email and UID grant types.
Backend APIs for the Perfect Day app.

MgScrapper   Team Size - 1

Designed and developed config driven generic scraping framework. **Scraped 50+ websites**. Used lxml and pyquery.

GadgetPlatform   Team Size - 1

Gadget Platform is a service that enables automatic metadata collection for a POI. It is a collection of gadgets, each of which is responsible for fetching a particular type of metadata. It increased guide's efficiency by 70-80%.

DestinationService   Team Size - 1

Designed and developed a Destination Service as a wrapper on Google and Yahoo's geolocation apis. One of the use cases is to map lat/lng or google's auto complete address text to a unique and consistent id.

Personal Projects

Json Debugger - Added couple of useful features like image rendering and making links clickable to the existing jsonlint.

BangaloreHangouts - It provides one with 100+ options to hangout near Bangalore with filtering options such as weather, time, distance and few tags.

RestaurantTonight - IOS app for real time restaurant deals also have a web interface for the restaurant owners to push deals .
I developed all the APIs.

FindMyFileForMe - Its like git's grep command, but it works on any type of file if you have added proper tags to the file you can search for it using cmd line. You can also open it from cmd prompt. Used solr for indexing and storage.

Internship Projects

Saholic - Developed a customizable tool which periodically crawls the web. Also developed its UI to provide searching and graphical visualization for comparisons. Used python, turbogears, scrapy, lucene and google charts api.

Verse - I was involved in many VAS projects and developed applications for channels like SMS, USSD and WAP with Vernacular Support using JAVA and Hibernate. I was also involved in the development of the CallDesk, a generic framework for call support using GWT. I also wrote lot of stored procedures in pl/sql.

College Projects

Rich IP-Messenger - Successfully implemented 3 new features(viz. message filtering, IP- blocking, join multiple groups). Used C as the primary language and basic gtk.

City Bot - It was done as a part of the course Software Engineering. I developed mobile app using J2ME, I also implemented Dijkstra's algorithm for back-end logic.

Education

DA-IICT Gandhinagar, B-Tech ICT | 8.82/10	2007-11
DMS, Ajmer, 12th | 84%	2006-07
St John's, Ajmer, 10th | 87.5%	2004-05

Achievements & Responsibilities

- Among the top 2 teams of Bangalore Hack 2013.
- Winner of Microsoft Windows phone app hackathon 2012.
- Among the first 3 engineers of Mygola.
- Mentored a team of 2 interns at Mygola.
- Solved 100+ problems on SPOJ.
- Won 1st, 1st and 3rd prize in Algorythmus Synapse'10, Excogitate Synapse'10 and Synapse'09 respectively.
- Core-Committee member of Programming Club DA-IICT.
- Among the top 1% of the 0.6million students appearing for All India Engineering Entrance Examination.
- School Topper – R.B.S.E (Class X), achieved 47th rank in the state.
- Coordinator – COLLABORATE (Event based on Verilog and F.P.G.A) held in Synapse '09.
- Member of the Election Committee for 3 consecutive years, member of the Accounts Committee (Synapse '10).