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Objective

For the organisation I work at, I seek to use my about 3 years of experience in working with various technologies for developing desktop, mobile and mostly web applications. When applying for a job, my personal objective is to seek a team of smart people and healthy work environment, where I could grow my skills, learn new things and contribute to the organisation faithfully and enjoy doing my job.

Education

Doaba Institute Of Engineering And Technology
Mohali, Punjab, India
Punjab Technical University
B.Tech in Information Technology, 75%
Sahibzada Ajit Singh Academy
Roopnagar, Punjab, India
CBSE
Graduated: 2010
+2 in Non-medical, 73%
Sahibzada Ajit Singh Academy
Roopnagar, Punjab, India
CBSE
Graduated: 2008
10th with English, Math, Punjabi, 82%

Professional Skills

Javascript Developer
Work Done: I've been doing javascript a lot lately because of my involvement in meteor.js projects. I am skilled in both client side and server side javascript programming.

Meteor.js
Work Done:
Jackfit
(April 2014)
It was a project for a client from US. It's an app designed to look and behave like an iPhone app (using Mobi-Router meteor package) which allowed users of the app to plan their workouts provided by the client.

Celebvidy
(May 2014)
It was a startup project from the US client for whom I did jackfit. It's multi-platform app built for desktop, iphone and android. Three developers were involved in the development of the app. My responsibility was to write all the javascript code, deploy and maintain it on Amazon AWS and keep the code maintainable and working with iOS and Android bindings for native functionality. In the finishing days of project I also got the responsibility to maintain iOS parts of the app. James Gillmore (github.com/faceyspacey) was the product manager and I was appointed as lead developer of the project. Matheus Simons (github.com/matheus90) was responsible for native parts of the app on android.

Nucleus
(October 2014) - Under Development
Nucleus is a Meteor package which allows writing meteor app from within the app itself and provide more features like event-sync in various clients, google docs like collaborative editing, git, and one click deployment to production. Employer (James Gillmore) allowed me to release Nucleus as open source from my github so when the time comes, it could gain traction from open source community. More details can found at project's github url: https://github.com/nucleuside/nucleus

NucleusIDE (December 2014) - Under Development
nucleuside.com is under-development cloud platform for Nucleus. NucleusIde.com allows developers to sign up to the platform, and allow them to launch their apps with Nucleus preinstalled and configured. These instances are AWS instances for which developers pay, these are launched on subdomains of nucleuside.com which developers can then access to collaboratively develop their apps with Nucleus.

iVolunteer
This app was developed for iVolunteer NGO at eBay Opportunity Hack in about 36 hour session. It's a platform for organising awards by iVolunteer for volunteers and other NGOs. I worked in a team of 3 people on this project, with me leading the project.

Open Source contribution
MobiRouter
It's a meteor package to make mobile like apps with meteor. I contributed by providing documentation, removing bugs, adding some features and helping the lead developer of the package with future architecture of the package.

Meteor-live-update
This package does some funny things with internals of meteor. Meteor usually automatically reloads the page when developer changes the code. I didn't like it that way. This package prevent the reload and does live injection of all changes, and updates the app without full page refresh.

Meteor-stupid-models
This meteor package is meant to write more re-usable and readable code in Meteor. Meteor makes use of Mongo Collections, which make it hard to create reusable components which are a norm in MVC world. This package helps create MVC like models which can be used in templates, helpers, and even meteor methods, both client side and server side.

Meteor-block-ui
It's a simplistic meteor package which is written more meteor style to allow users show spinners and block ui with simple method calls. It's flexible and easily extensible, and uses CSS3 transformations. It was a sample meteor package I created to get to know meteor package creation process

Meteor-terminal
It provides an in browser terminal for meteor apps. User can run commands on the server running the app using meteor-terminal

Fireword
It's a simple tool to convert memorable passwords to hard-to-crack passwords. I created it when I started learning javascript. It's built as a web app, python CLI app, and chrome and firefox plugins.

Python Programmer

Work Done: Mostly web crawlers, bots, one time automation scripts and some web projects mentioned below under the respective frameworks used.

Python Flask Framework
Work Done: I built a system for receiving Complaint and Suggestions (August 2013) for my college. It was built for increasing interaction between top management and students. It was built as a facebook app as its front face and was hosted on Heroku. College faculty interacted with the app via email. Students could file complaints and suggestions anonymously.

Python Scrapy App Dev Framework
Work Done: Most of my work in Python has been done in Scrapy. I've built several crawlers for scraping different sort of websites including twitter and reddit.

PyQt
Work Done:
MAGIC (Movieshoovie Automatic Generator for Intelligent Content)
(January 2014)
It was a tool for generating blog posts for a rather spamy website(s) movieshoovie.com. It used sqlite for storing data and provided interface for users to enter data about a movie and produce a post based on templates added by user. Produced posts could be directly posted to wordpress blog configured in app settings.

Toll Booth Manager
(May 2014)
It was a desktop application developed for a local toll booth company. It is being used at Baddi Toll Booth (HP) for maintaining data about the vehicles passing and also for doing tasks like printing slips.

PHP Programmer
Work Done: Websites for friends and some local small businesses. I left PHP about an year ago, so most of them are changed or are down. For a reference, I built following websites:
1. pannueye.com - Website for a local hospital
2. dnetbusiness.com - Website for a local business
3. onlinegames.harkuchh.com - I built two versions of it. Once using codeigniter framework, and then using SlimPHP for creating REST API and Angularjs on front-end.

PHP CodeIgniter Framework – Intermediate
Work Done:
onlinegames.harkuchh.com (May 2013) was built using CodeIgniter
dnetbusiness.com (October 2013) was a website I had to build in couple days, so I used a known technology to quickly get the work done.

Slim PHP Framework – Intermediate

Work Done:
Second version of onlinegames.harkuchh.com (July 2013) used SlimPHP Framework for creating REST end points.

Other Technologies I am acquainted with

Java
Work Done: None. I attended training in Java, done their dummy project but never happened to work on a real world project in Java. I also built an Android game for as my final year project in College (B.Tech).

Coffeescript
Work Done: I built the Angularjs version of onlinegames.harkuchh.com using coffeescript. I chose coffeescript because of its resemblance with Python and the buzz around the web.

Emacs Lisp
Work Done: Mostly customizations in my own emacs configuration.

GNU/Linux
Work Done: I used to manage Linux Lab in my college (which I had started) and tried to build a Linux Users Group in college. Though it failed drastically because of very few students interested, most (read all but me) of which left the group slowly.

Other interesting Projects

Transynth
Transynth was a project created in Intel IoT hackathon in a team of 3. Aim of the project was to create music using transducers (different kind of sensors). At the hackathon, we scoped the project to use only motion sensors to create music for the motion. Subhajit Banerjee lead this project and was responsible for handling hardware part of the project. I handled the software part and wrote code for mapping sounds to input from the motion sensors. We scored 2nd runners up position at this hack.

Hobbies & Interests

Programming, Learning new things, Reading, Writing, Poetry, Cooking, Music