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Harman Singh

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Objective

Seeking an opportunity in areas of software development in growth oriented organization that utilizes my present skills and helps me develop new ones.

Summary of Skills

- 5+ years of total work experience in Programming and Software Development
- Extensive experience of developing applications using Python, PHP, SQL, and other third party technologies. Developed various applications using MVC frameworks.
- Design and Programmed admin and customer interfaces of e-commerce platforms, write and perform test cases for ongoing projects.
- Implemented and integrated cloud platforms services in software projects including Amazon Web Services (AWS), Amazon EC2 and Heroku.
- Successfully completed project using Software Development Lifecycle (SDLC) and Agile development methodologies by using project management tools like Atlassian JIRA.
- Deployed project using GIT version control system with well written documentations.
- Experience developing REST APIs, JSON, XML and SOCKS for client-server applications.
- Complete understating of IPv4 and IPv6 address, DNS, DHCP, SSH, FTP and TELNET protocols.
- Proven background for working in team in deadline-oriented environments with excellent communication, interpersonal and presentation skills.

Professional Experience

Khalsa Labs
Application Developer   **Aug 2017 – Present**

- Programmed the logic for an automated blogging application using python
- Implemented machine learning in neural network based learning projects using keras and tensorflow
- Design and assemble the hardware for Pi based face recognition device that uses machine learning algorithms and send email alerts over the network.
- Design, document, and implementation of the project 'Analysis of DOS and DDOS attacks' using Deter test bed network and python scripts.

Technology Utilized: Python, Python, Raspberry Pi, Linux

Lab91 Software Pvt. Ltd
Software Developer   **Sep 2015 – June 2016**

- Developed Inventory management system to handle 30k plus products inventory and daily transactions of sale and purchase.
- Continuously develop and maintain the customer relationship management system that is responsible of solving hundreds of customer's queries per day.
- Configure and Manage Linux servers for django based ecommerce websites by enabling the WSGI and SSH and Virtual Hosts on each server.
- Deploy and develop email management system to route emails to specific departments and generate automate supports tickets from information provided in email.

- Responsible of training and development program for company interns and junior employees

Technology Utilized: Django, Python, Apache, Linux, Virtual Hosts, HTML5, Bootstrap, CSS3, Pyxlrt

Redlizard Studioz Pvt. Ltd
Software Developer   **Aug 2013 – Aug 2015**
- Designed database architecture to handle over a million e-commerce products without losing website performance.
- Optimized the search performance by 33% of e-commerce platform by replacing existing platform's ORM queries to SQL queries.
- Deploy, develop, and maintained REST based APIs for mobile application and worked back and forth with mobile development team to ensure the integration process goes smoothly.
- Successfully configure and manage Linux servers and code deployments using various dev-ops tools like terminal, GIT and JIRA.
- Worked on a centralized database for web and mobile applications.

Technology Utilized: Django, Python, jQuery, Celery, Monit, boto3, Mailchimp, Paypal, AWS, Docker, REST

Hadron Solutions Pvt. Ltd
iPhone Game Developer, Intern   **Jan 2013 - April 2013**
- Programmed game logics and physics engine for iPhone based 2D games
- Debug and optimized various game projects using XCode's profiler
- Responsible for submitting game source code under team deadlines.

Technology Utilized: Objective-C, C++, XCode, Cocos2D, Level Designer, Physics Engine

Education

Post Graduate Certificate in Human Resources Management, Parkland College Yorkton
Coursework: Organizational Behavior, Communication, Strategic Management   2016-2017

Bachelors in Technology (Information Technology), **Punjab Technical University** 2010-2013
Coursework: Algorithms & Data Structure, Operating Systems, Networks
Senior year project work focused on developing a VNC server in python, GPA: 8.0/10.0

Under Graduate Diploma (Information Technology), **Thapar Polytechnic, Patiala**   2007-2010
Coursework: Basic and digital electronics, Computer networks, Multimedia
Last year Individual projects were audio amplifier and interactive webpages, GPA: 6.8/10.0

Other Skills

Programming: Python, C++, C#, Objective-C, .NET, PHP, CSS, JavaScript
Frameworks: Django, WordPress, React, jQuery, .Net, tensorflow, Keras
Python Modules: Xlrt, PIP, PIL, Urllib2, Requests, BeautifulSoup, Virtualenvs, OpenCV, Pygame, Numpy
Databases: MySQL, PL-SQL, NoSQL
Other: RabbitMQ, Monit, Slack, OAuth, Git
Servers/Paas: Apache, VM Ware, Heroku, Docker, AWS, Monit, Google Cloud, Firebase