VAIBHAV SINGH

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OBJECTIVE

Full stack developer having a combined experience of more than 3 years in developing SaaS based solutions and freelance work, seeking a Developer position in an IT organization that will allow me to broaden my skills and embrace new technologies.

COMPUTING SKILLS

- **Operating Systems**   : Debian Linux, Mac OSX, Windows Server 2008
- **Programming Languages** : C/C++, Python 2.7, Java SE 6
- **Scripting Languages**   : HTML5, XML, CSS3, JavaScript(Jquery, Node, Angular).
- **Database**   : MySQL 5, PostgreSQL, SQLite3**,** NoSQL Mongo DB
- **Engineering Application**   : MATLAB Simulation
- **Others**   : SVN, GIT, Mercurial Version Control, Jira Project Management, Jenkins Continuous Integration Tool, Thoughtworks GO
- **Python Libraries**   : NumPy, SciPy, Pandas, South, Celery, Pika-RabbitMQ, PyMongo, Fabric

TECHNICAL EXPOSURE & WORK EXPERIENCE

- **Software Engineer, mixd.tv by MWG GmbH, Berlin**   **1 July 2014 – Present**
  http://mixd.tv
  - **Description:** To develop a viable model where linear and non-linear TV data could be matched such that it provides a better TV experience for end customers.
  - **Role: Python and JavaScript Developer**
  - Responsible for prototyping new features and generating new Business Models
  - Manage workflow between team members and often step into the shoes of a PM and prioritize stories based on Business Revenue and Value
  - Develop an online portal to watch Live TV and Catchup TV from many broadcasters in one place.
  - Meet with potential partners, clients and gather technical requirements.
  - **Skills Developed:** Python, AngularJS, NodeJS, ElasticSearch

- **Systems Engineer, Projectplace, Bangalore, INDIA**   **15 Oct 2012 – 13 Jun 2014**
  https://www.projectplace.com
  - **Description:** To develop, maintain and enhance a SaaS based Project Management Service**.**
  - **Role: Python Developer and DevOps Engineer**
  - Responsible for developing new features and improve efforts towards continuous delivery and integration.
  - To develop public facing REST API's, improve performance of client side code and making responsive web apps using Backbone.js
  - Create and manage Dev/Sales demo environments, package Python libs, create deployment pipelines and deploy code to App Servers using Blue/Green Deployment mechanism, handle DB Migrations and develop applications to monitor Servers.
  - Help Test/Automation Engineers to implement Grid Testing and reduce testing times.
  - Coordinate with Product Owner to prioritize immediate work and manage work timeline.
  - Help Sales and Customer Representatives debug customer issues.
  - **Skills Developed:** Python, Scrum Kanban, TDD, Mercurial Version Control, Jenkins CI, Rest API, CRUD App Design, Mongo DB, Redis, Rabbit MQ, BackboneJS, GruntJS, AWS EC2, Go Deployment Pipeline.

- **Software Engineer, Digital TV Labs, Bristol, UK**　　　　　　**26 Jan 2011 – 31 Aug 2012**
  http://validator.digitaltv-labs.com
  - **Description:** To develop a testing framework using **Python Django Framework** and JavaScript based UI for testing next generation connected television's supporting HbbTV.
  - **Role: Python and Front End Developer.**
  - Responsible for developing a web service using Python, Django, JQuery, packaging it in a VMware Virtual Image, creating test videos using Mpeg DASH and Core Java.
  - Develop and maintain test cases for HbbTV Conformance Test Suite following coding standards and strict quality control guidelines. These tests facilitate television manufacturers to receive HbbTV specification conformance.
  - Liaise with Chinese and European manufacturers to get product requirements, provide product-training sessions and provide prompt reply for any technical issues.
  - **Skills Developed:** Python, Core Java, HTML5, JavaScript, Jira Project Management, SVN Version Control, Puppet, Fabric, Product Quality Assurance, Jenkins Continuous Integration, Agile Methodology and Test Driven Development.

FREE LANCING & EARLY CAREER

- **Part Time Freelance Developer, Sacred Vision Ltd, UK**　　　　**May 2012 – Sep 2012**
  - **Objective:** To develop a Django based Content Management System to be used to develop an ecommerce web application.
  - **Skills Developed:** Web hosting and management, Python Django, Payment Gateway Integration, Puppet Configuration Management, Fabric Auto-Deployment, South Database Migration
- **Research Assistant, University of Portsmouth, UK**　　　　　**Aug 2010 – Jan 2011**
  http://gcloudlearn.appspot.com/ http://www.allthevotes.com/
  - **Objective:** To migrate university's Virtual Learning Environment to a **Cloud Learning Environment** and to develop a Class Response System by means of modern platforms such as Twitter, Email, SMS and Bluetooth using **Google App Engine, Python Webapp Framework.**
  - **Skills Involved:** MongoDB, CRUD, REST API, Google Datastore, Software Architecture, Webapp2 framework, Google User Authentication.
- **Software Engineer, Thinkcore Technologies, INDIA**　　　　　**July 2008 – Feb 2009**
  - **Objective:** Application development using **JAVA Spring MVC Framework**, **Hibernate**
  - **Role:** Responsibilities included product feature development.
  - **Skills developed:** Java, Spring MVC, EXT JS, Hibernate

EDUCATIONAL QUALIFICATIONS

Oracle Java Certification **UK 26 Jan 2012**	**Oracle Certified Professional, Java SE 6 Programmer (OCJP 1Z0-851)** Score: 98% Oracle Testing ID: OC1027190
University Of Portsmouth **UK Feb 2009-July 2010**	**Master Of Science (M.Sc) in Communication Systems Engineering**
Uttar Pradesh Technical University **INDIA 2004-2008**	**1st Class Bachelor of Technology (B.Tech) in Electronics and Communication Engineering**
A Level / Standard XII **INDIA 2002-2003**	**Aggregate of 85%** Subjects: Physics, Chemistry, Mathematics, English, Computer Science
O Level / Standard X **INDIA 2001-2002**	**Aggregate of 83.2%** Subjects: Science, Social Science, Mathematics, English, Hindi

TECHNICAL INTERESTS

- High Frequency Algorithmic Trading.
- Parallel Programming and Data Analytics/Modeling
- Big Data, Map-Reduce