

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.

TECHNICAL 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
- **Python Frameworks** : Django, Flask

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 Django, AngularJS, NodeJS Express, 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 Django, 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	1 st 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