**JAMES OVERTON**

**Summary**

* **8+ years** of experience as **Python Developer,**in all phases of **SDLC** including design, development, testing, enhancement, support and Implementation of various web, client-server enterprise applications.
* Worked with MVW frameworks like **Django**, **Angular JS**, **HTML, CSS, XML**, Java Script, jQuery, Bootstrap, JSON.
* Experience in project deployment using **Jenkins/Heroku** and using web services like **Amazon Web Services (AWS) EC2** and **AWS S3.**
* Proficient in writing **SQL** Queries, Stored procedures, functions, Packages, tables, views, triggers using relational databases like **Oracle**, **PostgreSQL** and **MySQL.**
* Experience in the field of Data warehouse using **ETL** tools such as Informatica Power Center, Power Mart 9x/8x databases as **DB2**, **Oracle**, **MS SQL Server** and **Teradata.**
* Hands-on experience in **UNIX**, and **Linux Kernels**.
* Experienced in **WAMP** (Windows, Apache, MYSQL, Python/PHP), and **LAMP** (Linux, Apache, MySQL, Python/PHP) Architecture.
* Hands on **SVN**, **Git**, **JIRA**, **Bugzilla**, **Amazon EC2/S3**.
* In-depth understanding of the principles and best practices of Software Configuration Management in **Agile**, **SCRUM**, **Waterfall methodologies**.
* Proficient with **Agile** PLM as Java Developer. Hands on experience on PC, PCM, PQM, PPM, Agile SDK, Process Extensions and Event based PXs.
* Experience in working on Custom Actions, VB Scripts, WMI Scripts and Wise scripts.
* Knowledge in Server provisioning tools like **Puppet** and **Ansible**.
* Experienced in developing **UNIX** shell as well as wrapper scripts.
* Experience with **Web Services (SOAP, REST)**. Effective in executing multiple tasks and assignments ahead of schedule.
* Software experience in Python, **C/C++** on **Linux**, Windows, Cross-platform and embedded systems.
* Excellent skills in problem solving, analysis, communication and documentation.

**Technical skills:**

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| **Operating Systems** | Linux, Windows 10/8/7/Vista/XP, Mac |
| **Programming Languages** | Python 2.X, Python 3.X, C, C++, Java, SQL, PHP |
| **Web technologies** | HTML, CSS, XHTML, Java Script, jQuery, Angular Js |
| **Webserver** | Web logic, Apache Tomcat 5.5,6.0,8.0, NGINX |
| **Databases** | MySQL, Oracle, Microsoft SQL, PostgreSQL, MongoDB, Teradata |
| **Python Web frameworks** | Django, Pyramid, Flask, web2Py |
| **Development IDE** | PyCharm, Pydev Eclipse, Vim, Net beans, MS Visio, Sublime Text, Notepad++ |
| **Web Services** | SOAP, RESTful |
| **Version Control** | Git-Hub, Sub Version |
| **Build Tools** | GNU, Apache Ant, Apache Maven, Buck, Bit-Bake, Boot, Grunt |
| **Cloud Frameworks** | Open stack, Helion. |
| **Virtualization Platforms** | KVM, HPVM, Dockers. |
| **Methodologies** | Agile, Scrum, Waterfall |

**Work Experience**

**Python Application Developer Aug ‘2018 to present**

**CLINT: International Medical Corps, Los Angeles, CA**

**Responsibilities**:

* Experience with Web Development, Web Services, Python and the **Django** framework.
* Working knowledge of**IPython** Notebook, Pandas, Numpy, Scipy
* Experience with modern**javascript** front-end frameworks like vue.js, React.
* Implemented the micro-service via Scala Play Framework and provide **RESTful APIs** for other services in the pipeline to consume it.
* Involved in web application development for backend system using AngularJS and Node.js with cutting edge **HTML5** and **CSS** techniques.
* Developed frontend and backend modules using Python on Django including Tastypie Web Framework using Git. Implemented pre and post-processing pipelines for Machine Learning algorithms.
* Used Apache Spark Scala as machine learning language for model creation and predictions using Logistic Regression algorithm.
* Developed a Progressive Web App, which more suited for mobile devices.
* Design UX interface and UI components using HTML and CSS
* Design back schema, and database JSON structures
* Wrote a Python module to connect and view the status of an Apache Cassandra instance
* Developed MVC prototype replacement of current product with Django.
* Developed dashboard using HighCharts JavaScript library.
* Familiar with **JSON** based REST Web services and Amazon Web services (AWS) and Responsible for setting up Python REST API framework and spring frame work using DJANGO.
* Implemented Backbone JS for creation of networking applications using JavaScript.
* Used Test driven approach (TDD) for developing services required for the application and Implemented Integration test cases and Developing predictive analytic using Apache Spark Scala APIs.
* Integrated GIT into Jenkins to automate the code check-out process.
* Developing applications using **RESTFUL** architecture using Node.js and PHP as backend languages and Used Numpy for Numerical analysis and Used Spring Framework to support the Hibernate tool and Struts.

**Environment:**

Python 3.7, PyQT, PyQuery, MVW, HTML5, CSS3, DOM, Angular.js, Shell Scripting, JSON, Rest, Apache Web Server, Django, SQL, UNIX, Windows, AWS, MongoDB, PostgreSQL, and python libraries such as Numpy, IPython, sqlalchemy, DjangoTastypie

**Sr. Python Developer July‘2016 to Aug ‘2018**

**CLIENT****: Hertz,Estero, FL**

**Responsibilities**:

* Involved in building database Model, **API**s and Views utilizing **Python**, to build an interactive web-based solution.
* Responsible for gathering requirements, system analysis, design, development, testing and deployment.
* Worked on UI using **HTML5, CSS3** and Java Scripts.
* Experience working with **Azure** SQL Database Import and Export Service.
* Created User Controls and simple animations using **Java Script** and **Python.**
* Used Pandas library for statistical Analysis.
* Perform quality control checks of GIS data and non-spatial databases to ensure data integrity
* Used Django Database API's to access database objects.
* Designed and implemented Model-View-View Model pattern for many components in the project (Contracts, Products, Search Sales, Employees, BackOffice Admin).
* Developed tools using Python, Shell scripting, **XML** to automate some of the menial tasks. Interfacing with supervisors, artists, systems administrators and production to ensure production deadlines are met.
* Exploring with the Spark improving the performance and optimization of the existing algorithms in Hadoop using Spark Context, Spark-SQL, Data Frame, Pair RDD's, Spark YARN.
* Responsible for Plug-in Management, User Management and Backup/Disaster Recovery Plan/Implementation (**BDR**) on **Jenkins**.
* Performed automation of testing using Quick Test Pro and programmed dynamic VB Scripts in Expert view for testing GUI Functionality.
* Automated continuous integration delivery workflows to deploy Micro services applications via Docker containers.
* Experience working with large datasets and Deep Learning class using TensorFlow and Apache Spark. Worked with Spark Core, Spark ML, Spark Streaming and Spark SQL.
* Enabled speedy reviews and first mover advantages by using Oozie to automate data loading into the Hadoop Distributed File System and Pig to pre-process the data.
* Installed, configured and managed the ELK (Elastic Search, Log Facilitated Scrum ceremonies like Sprint planning, retrospectives, Daily stand-ups, etc. Stash and Kibana) for Log management within EC2/ Elastic Load balancer (ELB) for Elastic search
* Met client audit requirements by developing python scripts to retrieve AWS RDS logs using Boto3
* Used **JQuery** and Ajax calls for transmitting **JSON** data objects between frontend and controllers.
* Loaded and transformed large sets of structured, semi-structured and unstructured data using Hadoop/Big Data concepts.
* Developed **SQL** Queries, Stored Procedures, and Triggers Using **Oracle, SQL, PL/SQL**.
* Created PHP/MySQL back-end for data entry from Flash.
* Using SQL Server Reporting Services (**SSRS**) delivering enterprise, web-enabled reporting to create reports that draw content from a variety of data sources.
* Used **JQuery** for selecting DOM elements when parsing **HTML**.
* Used **GitHub** for version control.

**Environment**:

Python, Django, Couchbase Python, PHP, C++, HTML, JQuery, AJAX, XHTML, JavaScript, XML, JSON, GitHub, Flash, SQLite, MYSQL, SQL, PLSQL, Hadoop, Oracle and Windows.

**Python Developer Nov ‘2015to Jun’2016**

**CLIENT:** **Marriott international,Gaithersburg, MD**

**Responsibilities:**

* Used **SDLC** process and used **Django** for web development.
* Designed and developed the **UI** of the website using **HTML**, **XHTML**, **AJAX**, **CSS** and **JavaScript.**
* Developed entire frontend and backend modules using Python on **Django Web Framework** on MySQL
* Worked on the large-scale Hadoop YARN cluster for distributed data processing and analysis using Hive and MongoDB.
* Loaded and transformed large sets of structured, semi-structured and unstructured data using Hadoop/Big Data concepts.
* Designed and developed data management system using MySQL. Built application logic using **Python 2.7.**
* Worked on development of **SQL** and stored procedures, trigger and function on **MYSQL**.
* Developed shopping cart for Library and integrated web services to access the payment (E-commerce)
* Designed and developed a horizontally scalable APIs using **Python Flask.**
* Designed **Cassandra** schema for the APIs
* Developed shopping cart for Library and integrated web services to access the payment.
* Used **PHP** language on lamp server to develop page.
* Developed dynamic interaction page on **.net** MS visual basic 2014, using **SQL developer tools**.

**Environment:**

Python 2.6/2.7, JavaScript, Django Framework 1.3, SQL, MySQL, LAMP, JQuery, Adobe Dreamweaver, Apache web server, PHP, Hadoop, Lamp, underscore JS. SQL developer too.

**Python Developer Nov’ 2013 to Oct’2015**

**CLIENT: Pioneer Hi-Bred International, Johnston, IA**

**Responsibilities**:

* Design, develop, test, deploy and maintain the website.
* Interaction with client to understand expectations and requirements.
* Designed and developed the UI of the website using **HTML, AJAX, CSS** and **JavaScript**.
* Worked with the Stakeholders, gathered requirements developed high level design documents.
* Implemented front end for third party Web service using **jQuery**, Html, AJAX, JSON and JavaScript.
* Developed a **MATLAB** algorithm which determines an object's dimensions from digital images.
* Web-services backend development using Python (**CherryPy**, Django, **SQLAlchemy**).
* Developed entire frontend and backend modules using **Python** on **Django** Web Framework.
* Worked on development of **SQL** and stored procedures on **MySQL.**
* Associated with development of Web Services using SOAP for sending and getting data from the external interface in the XML format.
* Designed Cassandra schema for the APIs.
* Hand full experience on **LINUX** operating system.
* Support the scripts configuration, testing, execution, deployment and run monitoring.

**Environment**:

Python 2.7, Django, jQuery, Java, MySQL, Oracle, Linux, Django, Eclipse, Shell Scripting, HTML5/CSS, Red hat Linux, Apache, MS Office, Google Analytics.

**Python Developer Nov’ 2011to Oct’ 2013**

**CLIENT: Align Technology, Cary, Nc**

**Responsibilities**:

Developed Views and Templates with Django view controller and template language to create a user-friendly website interface.

* Implemented user interface guidelines and standards throughout the development and maintenance of the website using the **HTML, CSS, JavaScript** and **JQuery**.
* Created **APIs**, database Model and Views Utilization Python to build responsive web page application.
* Stored the data in the form of **JSON** structure-based documents, stored in a collection using **MongoDB**.
* Developed web-based applications using Python 2.7/2.6, Django 1.4/1.3, PHP, Flask, Webapp2, Angular.js**, VB, C++, XML, CSS, HTML, DHTML**, JavaScript and jQuery
* Developed automated process for builds and deployments by using Jenkins, Ant, Maven, Shell Script.
* Documented company Restful **API**'s using Swagger for internal and third part use and worked on Unit testing and Integration testing.
* Deployed the project into **Jenkins** using **GIT** version control system.
* Worked on changes to open stack and **AWS** to accommodate large-scale data center deployment.

**Environment**:

 Python, Java, Django, AWS, Angular Js, Jenkins, Docker, MySQL, MongoDB, HTML, JavaScript, JSON, XML, JQuery, Linux WSDL, Restful, CSS, Postgre-SQL, Swagger, Git, JIRA.

**Java Developer Aug’ 2010to Oct’ 2011**

**CLIENT: Coventry Health Care, Nashville, TN**

**Responsibilities**:

* Involved in Project Design Documentation, design Reviews and Code Reviews.
* Understanding the functional specifications and architecture.
* Developed static and dynamic Web Pages using JSP, HTML, JavaScript and CSS.
* Developing and coding J2EE Components with JSP, Java Beans, business objects with Hibernate and Servlets.
* Developed SQL Server stored procedures to execute the back-end processes using.
* Developed and Deployed the Application on WebSphere using ANT build.xml script.
* Written **Struts** services and **DAOS** in the service layer for **SQL** data retrieval operations using **JDBC**.
* Worked on **WebSphere** as application deployment servers.

**Environment**:

 Eclipse, Java, JSP, Ajax, Struts, Spring Framework, JNDI, UDDI, WSDL, SOAP, Agile, UML, XML, HTML, Log 4j, Oracle 10g, Shell Script, CVS, Maven and Windows XP.