**Dinesh**

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**Python Developer**

**508)-475-9049**

**PROFESSIONAL SUMMARY:**

* 7+ Extensive years of strong experience in software/IT industry involving Project analysis, Design, development, testing, maintenance and documentation of different applications in various domains such as finance, health, banking using **Python, Django, HTML**.
* Experience in Object Oriented Design and Programming concepts in **Java** and **Python, PHP.**
* Experienced in developing web-based applications using **Python 2.7/2.6, Django 1.4/1.3, Angular JS, C++, XML, CSS, HTML, DHTML, JavaScript and JQuery.**
* Experience in writing **Sub Queries, Stored Procedures, Triggers, Cursors, and Functions** on **MySQL** and **PostgreSQL** database.
* Well versed with design and development of presentation layer for web applications using technologies like **HTML, CSS and JavaScript**.
* Good experience in working with various Python Integrated Development Environments like **PyCharm, PyScripter, Spyder, PyStudio, PyDev, IDLE, NetBeans and Sublime Text.**
* Experienced in **MVW** frameworks like**Django, Angular.js, Java Script, JQuery** and **Node.js**.
* Familiar with **JSON** based **REST Web services** and **Amazon Web services**.
* Used Amazon Elastic Beanstalk with Amazon **EC2** to deploy project into AWS.
* Experience in **Python OpenStack API’S.**
* Excellent experience with Python development under Linux OS (**Debian, Ubuntu, SUSE Linux, RedHat Linux, Fedora**)
* Experience object-oriented programming (OOP) concepts using **Python, Django and Linux.**
* Expertise in Querying **RDBMS**such as **MYSQL and SQL Server**by using SQL for data integrity.
* Strong knowledge on **Dev Express Controls.**
* Expertise in client scripting language and server-side scripting languages like **JavaScript, Perl Scripting, Shell Scripting**.
* Experience with continuous integration and automation using **Jenkins**.
* Experience with **Unit testing/ Test driven Development (TDD), Load Testing.**
* Worked on **AJAX** framework to transform Datasets and Data tables into **HTTP**-serializable **JSON** strings.
* Expertise in locating the web elements using **XPATH** and **CSS** Selectors**.**
* Experienced with integration of **MongoDB** and **Cassandra** databases.
* Experience in developing web services (**WSDL, SOAP** and **REST**) and consuming web services with python programming language.
* One of the designated Python experts on the team performing code reviews and implementing best pythonic practices.
* Hands on experience with installation and configuration of Apache Tomcat server.
* Hands on experience with version control tools such as **SVN, JIRA, GitHub, GitLab.**
* Good idea about testing tools like **Bugzilla** and **JIRA.**
* Experience in working on different operating systems-**windows**, **Linux, UNIX**, and **Mac**.
* Actively involved in each phase of **software Development life cycle** **(SDLC**) and experience in **Agile** Software Methodology and Water Fall Model.
* Experience in Troubleshooting and Technical support abilities with Migrations, Network connectivity, and Security and Database applications.

**TECHNICAL SKILLS:**

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| **Languages** | Python 3.x,2.7/2.4, Shell Script, Perl, SQL, C++, mscripting, MATLAB |
| **Python Framework** | Django 1.3/1.4 |
| **Databases** | MySQL, SQL Server, Oracle |
| **IDE’s** | PyCharm, PyScripter, Spyder, PyStudio, PyDev, IDLE, NetBeans, Sublime Text |
| **Web Services** | Amazon Web Services |
| **Web Technologies** | AJAX, JavaScript, Angular JS, HTML, DHTML, XHTML, XML |
| **Versioning Tools** | Subversion, GIT, Perforce, SVN, CVS, GitHUB, PVCS, IBM JAZZ, CLEARCASE |
| Frameworks | Django, PyJamas, Python |
| Application servers | Apache Tomcat, JBoss, WebLogic, WebSphere |
| **Web servers** | Apache, Tomcat, IIS |
| Testing Tools | Bugzilla, VECTORCAST, LDRA, VERIFICATION, SCA ANALYSIS |
| Protocols | TCP/IP, HTTP/HTTPS, SOAP, SMTP |
| **Operating systems** | Linux (**Debian, Ubuntu, SUSE Linux, RedHat Linux, Fedora**), Unix, Windows, MAC |
| **Development Methodologies** | MVC architecture, Agile, Scrum |

**PROFESSIONAL EXPERIENCE**

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| UNITED TECHNOLOGIES(UTC), CT 2017 SEP– Present  Python Developer |

**Responsibilities:**

* Worked in **Agile development** following **scrum** process, **Sprint** and daily **stand-up meetings.**
* Involved in designing and development of next gen Otis control systems algorithms.
* Involved and worked on understanding and fixing of various legacy algorithms of vibrational metrics of elevators in multi dimensions and sound metrics of next gen elevators which is written in MSCRIPTING using MATLAB
* Worked on different type of **Python** modules such as **NumPy, SciPy, matplotlib** which is used in converting legacy algorithms in mscripting to python files for next gen elevators.
* Experienced in using SVN as the version control for the project.
* Used **JIRA** for issue tracking and bug tracking for each individual sprint.
* Experienced and used **test driven development** in the development of the code.
* Involved in writing behavior driven test scenarios by using **behave** framework and **Gherkin** as the natural language for writing test scenarios.
* Designed the front-end web pages using **HTML**, **JavaScript, Angular JS, jQuery** and **AJAX**. Used **CSS** for better appearance. Writing templates for front end pages where we include HTML pages and JavaScript files.
* Analyses and improves application efficiency by optimizing queries and caching contents for **Django**
* Managed code versioning with **GitHub** and deployment to staging and production servers.
* Developed entire frontend and backend modules using **Python** on **Django** Web Framework.
* Developed Business Logic using **Python** on **Django** Web Framework. Developed Merge jobs in **Python** to extract and load data into **MySQL** database.
* Successfully migrated the **Django** database from **SQLite** to MySQL with complete data integrity.
* Found **critical bugs** in the firmware and helped other teams in making the software stable.
* Migration of Test Content to Automation Tool using **Python** and **XML**.
* Creating database schema for **MySQL** Database and helped to draw ER-Diagrams using Microsoft Visio.
* Working on customized framework developed internally within the interface to remove all the security patches related to PCI compliance.
* Worked on **Shell** scripting for automation by following **Python PEP**.
* Also worked on different operation system environments such as **windows** and virtual box **Ubuntu/ Linux.**
* Used **putty** to access any virtual machines or instances by using address.

**Environment:** Python 3.4, PyCharm, SVN, MATLAB, Mscripting, JIRA, NumPy, SciPy, matplotlib, windows and Ubuntu/Linux, Putty.

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| FM GLOBAL JOHNSTON, RI 2017 JAN – 2017 AUG  Python Developer |

**Responsibilities:**

* Worked in **Agile development** following **scrum** process, **Sprint** and daily **stand-up meetings.**
* Implemented Business logic, worked on data exchange, processed XML and HTML using python 2.7 and its familiar framework Flask.
* Restful web services using Python REST API Framework.
* Involved in designing of API’s for the networking and cloud services.
* Involved and worked on different Rest API’s development by using **Flask**.
* Worked on different type of **Python** modules such as **requests, boto, flake8, flask, mock and nose**.
* Experienced in using GitLab as the version control for the project.
* Used **JIRA** for issue tracking and bug tracking for each individual sprint.
* Experienced and used **test driven development** in the development of the code.
* Involved in writing behavior driven test scenarios by using **behave** framework and **Gherkin** as the natural language for writing test scenarios.
* Worked on different **Rest API’s** and also involved in handling the **JSON** responses of those API’s.
* Also worked on Open stack enterprise Linux operating system for creating instances (VM) and experience in deploying the code into those instances.
* Involved in the development of the user interface using **HTML, CSS, JavaScript, Ajax, JSON and JQuery.**
* Experienced in using **YAML** file which is an alternate to the **XML** and very straight forwarded machine parable data format designed for interaction with the scripting languages such as Perl and Python.
* Worked on **Shell** scripting for automation by following **Python PEP**.
* Also worked on different operation system environments such as **windows** and virtual box **Ubuntu/ Linux.**
* Used **putty** to access any virtual machines or instances by using severs.

**Environment:**

Python 3.4, PyCharm, GitLab, flask, Rethink DB, TDD, BDD, Agile, Putty, Windows and Linux, web services, Restful, open stack cloud, YAML, JSON, HTML, CSS, Java Script and JQuery.

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| JPMC, Wilmington, DE 2016 APR – 2016 DEC  Python Developer |

**Responsibilities:**

* Participate in requirement gathering and analysis phase of the project in documenting the business requirements by conducting workshops/meetings with various business users.
* Automated data movements using python scripts.
* Uploading statistics to **MySQL** for analysis and logging.
* Created core python API which will be using among all modules.
* Hands on experience in using **MySQL dB**,**python API.**
* Hands on experience in using **NumPypython API**.
* Hands on experience in using Amazon Web Services for application deployment and configuration.
* Data upload and download automation using **python** and **SFTP** protocol.
* Automated **AWS S3** data upload / download using python scripts.
* Hands on experience in system level programming using python like creating processes and monitoring using python scripts.
* Good experience in using **shell scripting** for automation.
* Experience in designing database schema design and defining relationships between tables. n
* Experienced in NoSQL technologies like MongoDB, Cassandra and relational databases like **Oracle**, **SQLite**, **PostgreSQL**, **Dynamo DB** and **MySQL** databases.
* Worked with the stakeholders to gather requirements.
* Provided technical assistance for maintenance, integration and testing of software solutions during development and release processes.
* Ensured quality by versioning with **Git**.

***Environment:* Python, Amazon AWS EC2, S3, MySQL, PostgreSQL, Linux.**

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| SINHAR SOFTWARE SOLUTIONS, HYD, INDIA 2011 MAR– 2015 NOV  Python Developer |

**Responsibilities:**

* Responsible for gathering requirements, system analysis, design, development, testing and deployment.
* Participated in the complete SDLC process.
* Involved in building database Model, APIs and Views utilizing **Python,** in order 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.**
* Created User Controls and simple animations using **Java Script** and **Python.**
* 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.
* Developed multi-threaded standalone app in **Python**, **PHP, C++** to view Circuit parameters and performance.
* Developed **Python** batch processors to consume and produce various feeds.
* Developed entire frontend and backend modules using **Python** on **Django** Web Framework.
* Developed Business Logic using **Python** on **Django** Web Framework.
* Developed Merge jobs in **Python** to extract and load data into **MySQL** database.
* Successfully migrated the **Django** database from **SQLite** to MySQL with complete data integrity.
* Created **PHP/MySQL** back-end for data entry from **Flash.**
* Use**d JQuery** and **Ajax** calls for transmitting **JSON** data objects between frontend and controllers.
* Used **JQuery** for selecting particular **DOM** elements when parsing **HTML.**
* Used **GitHub** for version control.
* Developed **SQL Queries**, **Stored Procedures,** and **Triggers** Using **Oracle, SQL, PL/SQL.**
* Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.
* Wrote a Python module to connect and view the status of an Apache Cassandra instance.
* Maintained version control of Python by using GIT. (Merge, Branch, Push, and Commit).
* Developed multi-threaded standalone app in **Python** to view performance.
* Developed tools using **Python**, Shell scripting, XML to automate some of the menial tasks.
* Performed Version control using GIT.
* Wrote validation scripts in SQL to validate data loading.
* Interfacing with supervisors, artists, systems administrators and production to ensure production deadlines are met.

**Environment:** Python 3.x, Python, Django, HTML, JQuery, AJAX, XHTML, JavaScript, XML, GitHub, Flash, SQLite, MYSQL, SQL, PLSQL, Oracle and Windows.

**Education:**

**Bachelor of Technology in Electronics and Communication Engineering.**

**Jawaharlal Nehru Technological University- India.**