**DIVYA**

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**Professional Summary:**

* 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.
* Experience in Object Oriented Design and Programming concepts in **Java** and **Python**.
* Actively involved in each phase of **software Development life cycle** (**SDLC**) and experience in **Agile** Software Methodology.
* Experience in developing web applications by following **Model View Control (MVC)** Architecture using server side applications **Django, Flask** and Pyramid.
* Good experience with python frameworks like Flask and Webapp2.
* Excellent Experience on various Python integrated IDE’s such as **Sublime Text, Pycharm, Eclipse and NetBeans.**
* Experience in working on various python packages such as **NumPy, SQLAlchemy, matPlotlib, Beautiful soup, pickle, Pyside, SciPy, PyTables.**
* Experienced in designing web pages and Graphical user interfaces, front end layouts on the web by using **HTML, DHTML, CSS, Bootstrap framework, PHP, XML, JavaScript, node Js and Angular Js.**
* Expertise in usage of **Django** Framework for developing web applications.
* Experience with GUI frameworks such as **PyJamas, Jython.**
* Good knowledge in establishing database connections for java and Python by configuring packages like **JDBC, MySQL-Python.**
* Good experience with **JDBC** to perform operations such as **CRUD** operations and writing complex queries with **Oracle 10g/11g.**
* Good experience in **ORM** mapping using **SQLACHEMY.**
* Experienced with integration of **MongoDB** and Casandra databases.
* Experience in developing web services (**WSDL, SOAP** and **REST**) and consuming web services with python programming language.
* Good experience in using **Shell** scripting for automation by following Python PEP.
* Performed mapping of **JSON/XML** formatted data with relational databases like **MySQL**, **PostgreSQL and SQLite.**
* Hands on experience with installation and configuration of Apache Tomcat server.
* Used Amazon Elastic Beanstalk with Amazon **EC2** to deploy project into AWS.
* Expertise in full life cycle application development and also good experience in Unit testing and **Test driven Development (TDD**) and Behavior driven Development.
* Hands on experience with continuous integration and automation using **Jenkins.**
* Hands on experience with version control tools such as **SVN, JIRA, GitHub, GitLab.**
* Experience in working on different operating systems-windows, **Linux, UNIX**, and Mac also strong development experience on Linux based operating systems such as Ubuntu, Red Hat and CentOS.
* Excellent communication, Team work, inter-personnel and presentation skills, fast learner and organized self-starter.

**Technical skills:**

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| **Programming Languages** | Python, Java, PL/SQL, Perl, PHP |
| **Web Technologies** | JavaScript, AJAX, XML, Web Services, XSD, XSL, XSLT, HTML, XHTML, DHTML, CSS, JQuery |
| **Web services** | SOAP, RESTful |
| **Data bases** | Oracle 10/11g, MySQL, NoSQL, Django ORM, SQL Server, Redis |
| **IDE’s and tools** | Eclipse, Sublime text, Pycharm, NetBeans |
| **Frameworks** | Django, Flask, Pyramid, Django Rest, Pyjamas, Jython |
| **OS &Environment** | XP, windows, Linux, Unix, Ubuntu |
| **JavaScript, Unix Shell Scripting** | JavaScript, Unix Shell Scripting |
| **Version control** | SVN, GitHub, GitLab |
| **Development Methodologies** | MVC architecture, Agile, Scrum |

**WORK EXPERIENCE**

**BLUE CROSS BLUE SHIELD – JACKSONVILLE, FL MAY 2015- present**

**Python Developer**

**Description:**

Blue Cross Blue Shield Association is a federation of health insurance organizations and companies, providing health, Dental, Vision insurance in United States. The organization is an independent, not-for-profit, locally governed health benefit plan company. Blue Cross Blue Shield provides health insurance services. The company offers a variety of insurance products for all segments of the population including large employer groups, small businesses and individuals.

**Responsibilities:**

* Worked in **Agile development** following **scrum** process, **Sprint** and daily **stand-up meetings.**
* 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 address.

**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.

**Verizon wired – Spring Valley, New York MARCH 2014- MAY 2015**

**Python Developer**

**Description:**

Verizon communications is a telecommunication and broadband company and one of the largest U.S wireless communication service provider. Verizon Communications operations are divided into four business units: wireless services,n residential and small business services, enterprise services, and partner programs. Verizon has more than 170k employees with revenue of $127 billion.

**Responsibilities:**

* Responsible for requirement gathering, designing and developing web based applications.
* Coded model level validation and provide guidance in making long term architectural design decisions and also used **Agile** Methodology and **SCRUM** process.
* Developed and handled business logics by backend python programming to achieve optimal results.
* Worked on Element Tree XML API in python to parse **XML** documents and load the data in database.
* Developed view and templates in Django to create a user friendly website interface.
* Developed user interfaces using **HTML, CSS, JavaScript, Ajax, JSON and JQuery.**
* Experienced with **Bootstrap** as a mechanism to manage and organize the html page layout.
* Used **JavaScript** to validate all the client side validations.
* Used **Django** configuration to manage URL’s and application parameters.
* Used Pandas as API to put the data as time series and tabular format for manipulation and retrieval of data.
* Used **Pandas Library** for statistical analysis.
* Involved and worked on **Python Open stack** API’s.
* Used python scripts to update content in the database and manipulate files.
* Used several python libraries such as **wxPython, numPy and matPlotLib.**
* Experience in development of web services **SOAP, RESTful** for sending and getting data from the external interface in the **XML** and **JSON** format.
* Responsible for debugging and troubleshooting the web application and created unit test/regression test framework for working on new code.
* Involved in implementation of automate scripts to back up the old records by using **Mango DB** export command and transferred the backup files into backup machine with the help of ftplib.
* Worked on Mango DB replication concept, used to maintain multiple copies of data in different database servers.
* Involved in build and deployment on various environments including Linux and UNIX.
* Worked with team of developers on Python applications for **RISK** management.
* Used design patterns efficiently to improve the code reusability and also used JIRA for bug tracking and issue tracking.
* Hands on experience on version control tools such as **GitHub and amazon EC2.**

**Environment:**

Django, HTML, CSS JavaScript, Ajax, JSON, JQuery, Mango Db, RISK management, TDD, SOAP, REST, MVC, GitHub.

**Hughes Network Systems - Gaithersburg, MD JAN 2013 - MARCH 2014**

**Python developer**

**Description:**

Hughes Network Systems (Hughes), an EchoStar Company, is the world's leading provider of satellite broadband for home and office, delivering innovative network technologies, managed services, and solutions for enterprises and governments globally. Hughes Net is the high-speed satellite Internet service in the marketplace, with offerings to suit every budget. To date, Hughes has shipped more than 4 million systems to customers in over 100 countries, representing approximately 50 percent market share.

**Responsibilities:**

* Developed views and templates with Python Django view controller and templating language to create a user friendly website interface.
* Used **PyUnit,** Python unit test framework for all the Python applications.
* Used **Django** framework to develop the application and used Python modules such as requests, urlib, and urlib2 for web crawling.
* Used other packages such as **Beautiful soup** for data parsing.
* Worked on building all the database mapping classes using Django models.
* Implemented the presentation layer with **HTML, Ajax, CSS**, and **JavaScript, JQuery** and **Angular Js**.
* Experience with **JSON** based web services and Amazon Web Services.
* Created user Controls and simple animations using Java Script and Python.
* Generated Python Django forms to record data of online users.
* Used **PyQuery** for selecting particular **DOM** elements when parsing **HTML.**
* Successfully migrated the Django database from **SQLite to PostgreSQL** with complete data integrity.
* Enhanced existing automated solutions, such as the Editorial tool for automated request reporting.
* Wrote python scripts to parse **XML** documents and load the data in database.
* Worked with **JSON** based **REST** web services.
* Created a Git repository and added the project to **GitHub** and also worked on **JIRA** issue management to track sprint cycles.

**Environment:**

Python, Django MVC, PyUnit, JSON, REST, GitHub, JIRA, XML, DOM, HTML, AJAX, CSS, JQuery, Agile, SQLite, PostgreSQL.

**Exilant Technologies, Bangalore, India Aug 2010 – Dec 2012**

**JAVA/Python developer**

**Description:**

Exilant Technologies private limited deliver software solutions in a manner that materially improves customer experience by applying new and disruptive technology to customer's business situations. Provides an intelligent business decision enabling service designed to grow customer's business and give them the best returns on intelligence. Over these years, Exilant have offices in Bangalore, Bhubaneswar, Singapore, Santa Clara, Berne and London.

**Responsibilities:**

* Involved in requirement gathering from stakeholders and worked on design documents.
* Participated in the complete **SDLC** (software development life cycle) process.
* Designed and developed the User interfaceof the website by using **HTML, AJAX, CSS and JavaScript.**
* Used JavaScript for handling all client side validations.
* Used **Django framework** to develop entire frontend and backend modules in Python.
* Involved in writing out the Error handling for different applications.
* Designed and developed data management system using **MySQL.**
* Rewrite existing **Python/ Django** module to deliver certain data format of data.
* Used Django Database API’s to access database objects.
* Experienced in writing Python Scripts to parse **XML** documents and load the data in the database.
* Experience in consuming and building web services both and **SOAP and RESTful.**
* Generated property list for every application dynamically using Python.
* Involved in the search engine optimization to improve the visibility of the website.
* Experienced in client side validation by using **JavaScript.**
* Involved in writing test cases and **unit test**/ regression test framework for new code.
* Worked on **Jenkins** for continuous integration.
* Using version control tools such as **SVN, CVS** coordinated the team development.
* Hands on experience in debugging and troubleshooting the web application.

**Environment:**

Python, Django, XML, HTML, CSS, Ajax, JavaScript, MySQL, SVN, Web services, Unit Test.

**Sonata Software, Hyderabad, India Oct 2008–Aug 2010**

**JAVA Developer**

**Description:**

Sonata serves software product companies and enterprises in the travel, manufacturing, retail and distribution verticals. Its service lines include business intelligence and analytics, application development management (ADM), mobility, cloud, social media, testing, enterprise services (ERP and CRM), and infrastructure management services.

**Responsibilities:**

* Involved in analysis, design and development of e-banking system as well as account transfer system and developed specifications that include Use cases, Class Diagrams, Sequence diagrams and Activity diagrams.
* Experience in designing the user interfaces using **JSP.**
* Implemented the core java programming which means mainly object oriented programming concepts for the banking modules.
* Developed the application using Struts Framework that leverages classical Model View Controller (**MVC)** architecture.
* Used Spring Framework to support the Hibernate tooland Struts.
* Implemented the application using the concrete principles laid down by several design patterns such as **MVC**, Data Access Object, and Singleton.
* Developed **Junit test** cases for all the developed modules.
* Used **CVS** for version control across common source code used by developers.
* Used **XML** Web services using **SOAP** to transfer the amount to application that is remote and global to different financial institutions.
* Worked on **JDBC** to invoke Stored Procedures and database connectivity to **Oracle 10g.**
* Developed **Test driven**, Test first methodology based Junit test cases for existing modules and also new modules.
* Experience in Agile development following **SCRUM** process, Sprint and daily stand-up meetings.
* Experience in providing the technical support to end users.

**Environment:**

J2SE, J2EE, Oracle 10g, HTML, XML, ANT, Rational Rose), Hibernate, JSP, Struts, JMS, Spring2.5, LOG4J, CVS, WSDL, SOAP and Apache.