**Saahas Daggula**

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Sr. Python Developer

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**Summary:**

* Around **8+ years** of IT experience in all the phases of software development life cycle using **Developement** softwares like **Python**,**Django**.
* Developed web based applications with **MVC** architecture using Frameworks –**Django, Flask** and **Pyramid**.
* Proficient in developing applications using **Python** (3.4, 2.7), **Django**(1.9,1.8,1.7).
* Worked with Client side scripting languages like **JavaScript**,**jQuery**,**AngularJS** and web Page developing technologies like **HTML** and **CSS**.
* Worked on several standard python packages like **NumPy**, **MatPlotLib**, **Pickle**, **PySide**, **SciPy**, **wxPython**, **PyTables**, **BeautifulSoup**, **ReportLab**, **Pandas**.**DataFrame**, **urllib2**, etc.
* Developed applications in various Python **IDE** are using **PyCharm**,**PyScripter**,**Spyder**,**PyStudio** and **PyDev**.
* Comprehensive knowledge and experience in **UNIX** and **Linux** shell environments using command line utilities and shell scripting.
* Hands-on experience in **No-SQL** database like **MongoDB** and relational databases like **Oracle**,**SQLite**,**PostgreSQL** and **MySQL** databases.
* Worked with different **Python** testing frameworks like **Zope**,**Pytest**,**Nose**,**Robot**.
* Proficient in writing unit testing code using **Unit Test**/**Pytest** and integrating the test code with the build process.
* Developed applications using Amazon web services like **EC2**,**CloudSearch**, **Elastic Load Balancing**,**S3**,**CloudFront**.
* Acquainted with Python best Practices **(PEP-8)**,**Pylint**.
* Migrated Scripts from **DCL**(Open **VMS**) to **python3.4**(**Linux**).
* Worked with different application servers like **Apache Tomcat**,**WebLogic**,**WebSphere**.
* Comprehensive knowledge in **Core Java** and **OOPs** concepts.
* Acquainted with designing and developing multi-tier enterprise applications using **Java**, **J2EE** technologies like **Servlets**, **Struts**, **Spring**, **JDBC**, **Hibernate**, **XML**, **JSP**, **HTML** and **Web Services**.
* Developed **J2EE** applications on **IDE**'s like **Eclipse**, **My Eclipse**, **Google GWT**, and **Rational Application Developer**.
* Hands-on experience in working with various version control systems like **SVN**,**CVS** and **GIT**.
* Worked with various software development methodologies like **waterfall**, **Agile**,**Scrum**.

**Technical Skills:**

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| **Programming Languages** | Python, Java, C++,PHP,SQL |
| **Scripting Language and Technologies** | Javascript, jQuery,AngularJS,JSON,XML,Ajax, HTML and CSS |
| **Frameworks** | Django, Flask, Pyramid,Spring,Hibernate,Google GWT |
| **IDE** | PyCharm,PyScripter,Spyder,Pystudio,PyDev,Eclipse,NetBeans,My Eclipse, IDLE ,Sublime Text |
| **Web Servers** | Apache Tomcat,Weblogic,WebSphere |
| **SDLC** | Waterfall, Agile, Scrum |
| **Version Control Tools** | SVN,CVS and GIT |
| **Python Libraries** | NumPy, matPlotLib, Pickle, PySide, SciPy, wxPython, PyTables, BeautifulSoup, ReportLab, Pandas.Dataframe, urllib2 |
| **Operating Systems** | Windows(98,2000,XP,7,8,10), Mac OS, Linux (Ubuntu, Red Hat, Cent OS),Unix |
| **Databases** | Mongo DB, MySQL, SQLite, Oracle 8i/9i/10g/11g, postgreSQL |

**Projects:**

**Amway – Grand Rapids, MI** Sept 2015 to present

**Role: Senior Python Developer**

**Responsibilities:**

* Responsible for gathering requirements, system analysis, design, development, testing and deployment by participating in complete **SDLC** process.
* Enhanced existing automated solutions, such as the inquiry Tool for automated Asset/Department reporting and added new features and fixed bugs.
* Developed views and templates with **Python** and **Django**’s view controller and templating language to create a user-friendly website interface.
* Created the backend application using **Python, Django and MySQL**.
* Performed server side application using **Django** framework.
* Developed a chat application using **Django** and integrated with the main application by server-client architecture.
* Implemented **RESTful** Web Services for the data transportation between multiple systems.
* Used different python libraries like **Pandas** and **NumPy** for various analysis.
* Used **Tableau** and **PyChart** to create reports and graphs and extracting data.
* Used several python libraries like **wxPython**, **NumPY** and **MatPlotLib**.
* Performed Unit testing, Integration Testing, GUI and web application testing using **Rspec**.
* Created the environment specific settings for a new deployment and update the deployment specific conditional checks in code base to use specific checks.
* Used advanced packages like **Mock, patch** and **beautifulSoup (b4)** to perform unit testing.
* Worked on Jenkins for continuous integration tool for deployment of project.
* Deployed the project into **Heroku** using **GIT** version control system.
* Improved the application by designing and developing it using **HTML and JavaScript**.
* Created web application prototype using **jQuery and Angular JS**.
* Worked on dynamic web applications by using Angular JS.
* Implemented the **Backbone JS** for **DOM** manipulation as this is the light web framework compared to**Angular JS**.
* Worked on cross browser compilation and Responsive Web Design using **HTML5, CSS3 and Bootstrap**.
* Used **SAX** for **XML parsing**, **JSON and AJAX** to send request to secured web service.
* Worked on python modules to extract /load asset data from the **MySQL** database.
* Designed and implemented a dedicated **MySQL** database server to drive the **WebApps** and report on daily progress.
* Involved in development, performance testing & defects fixing.
* Update, maintain and change the current web applications as per the project requirement.
* Skilled in using collections in Python for manipulating and looping through different user defined objects.
* Worked on various enhancements and bug fixes simultaneously.
* Involved in code reviews so as to implement coding standards for the entire project.
* Maintain and compile records of website content.

**Environment: Python 2.7, Django 1.6, Tableau 8.2, Beautifulsoup, Pandas, REST APIs, HTML5, CSS/CSS3, Bootstrap, XML, JSON, JavaScript, JQuery, Angular JS, Backbone JS, Restful Web services, Apache, Linux, Git, Amazon s3, Jenkins, MySQL, T-SQL, Eclipse.**

**Universal Studios – Orlando, FL** Feb 2015 to Aug 2015

**Role: Senior Python Developer**

**Responsibilities:**

* Designed and developed Use-Case, Class and Object Diagrams using **UMLRationalRose** for **ObjectOrientedAnalysis**/**ObjectOrientedDesigntechniques**.
* Created database Model, APIs and Views utilizing Python in order to build an interactive web based application.
* Used **Python** to place data into **JSON** files for testing Django Websites.
* Updated and manipulated content and files by using python scripts.
* Used the **DjangoFramework** to develop the application.
* Implemented web applications in **Flask** and **springframeworks** following **MVC** architecture.
* Generated Python Django Forms to record data of online users.
* Used **DjangoAPIs** for database access.
* Worked with Python OO Design code for logging, manufacturing quality, monitoring, and debugging code optimization.
* Created Python module to connect and view the status of an instance of **ApacheCassandra**.
* Developed tools using Python, **Shellscripting**, **XML** to automate some of the menial tasks.
* Used Python unit and functional testing modules such as unit test, unittest2, mock, and custom frameworks in-line with Agile Software Development methodologies.
* Provided **GUI** utilizing **PyQt** for the end user to create, modify and view reports based on client data.
* **Angular.js** is used to build efficient backend for client web application.
* Designed and developed the User Interface of the website using **HTML**, **XHTML**, **AJAX**, **CSS** and **JavaScript**.
* Worked on Python Open stack API's.
* Managed large datasets using **Pandadataframes** which is a python Data Analysis Library and also using **MySQL**.
* Used **NumPy** for Numerical analysis.
* Executed various MYSQL database queries from Python using Python -MySQL connector and **MySQLdb** package.
* Performed troubleshooting, fixed and deployed many Python bug fixes of the two main applications that were a main source of data.
* Worked with **JSON** based **REST** Web services.
* Implemented navigation rules for the application and page outcomes, written controllers using annotations.
* Created a **Git** repository and added the project to **GitHub**.
* Worked on development of **SQL** and stored procedures on MYSQL.
* Key performance index and filtering of displayed columns to help customers understand the analytics data that is provided by GC.
* Responsible for debugging the project monitored on **JIRA** (**Agile**).
* Analyzed performance **testrequirements** and developed test plans and have done debugging to understand test objective requirements.
* Prepared scripts, executing test cases and debugging, also prepared automation scripts in **SeleniumWebDriver**.
* Performed **QA** testing on the application.
* Collaborated and shared knowledge and experience among the **Team**, **ProductOwner**, **ScrumMaster** and **Stakeholders**

**Environment: Python, Django, Selenium, Flask, spring framework, UML Rational Rose, PyQT, Panda dataframes, HTML, XHTML, CSS, AJAX, Angular.js, Flex, JSON, Restful, XML, JavaScript, OOA/OOD, Shell Scripting, Git, GitHub, MYSQL, NumPy, Apache Cassandra, Jira(agile).**

**Renew Financial – Portland, OR** Mar 2014 to Jan 2015

**Role: SeniorPython Developer**

**Responsibilities:**

* Responsible for gathering requirements, system analysis, design, development, testing and deployment.
* Worked on developing internal testing tools which were written in **Python**.
* Performed optimization of test server by implementing multiprocessing for caching system.
* Improvised user experience.
* Performed client side validations using JavaScript and server side validations using **Django** framework.
* Designed and developed the UI using **HTML, AJAX, CSS and JavaScript**.
* Designed and implemented **MYSQL** database server to drive the web-apps.
* Created entire application using **Python, Django, MySQL** and **Linux**.
* Used **Django framework** for application development.
* Developed views and templates with **Python** and **Django’s** view controller to create a user-friendly website interface.
* Embedded **AJAX** in UI to update small portions of the web page avoiding the need to reload the entire page.
* Programming in **Python** as well as **Perl**.
* Created most important Business Rules which are useful for the scope of project and needs of customers.
* Improved performance by using more modularized approach and using more in built methods.
* Involved in development of Web Services using **SOAP** for sending and getting data from the external interface in the XML format.
* Performed data manipulation and storage for incoming test data using **lxml /etree** libraries.
* Developed API modularizing existing python module with the help of **pyYaml** libraries.
* Wrote unit test cases for testing tools.
* Implemented **Django models** to build all database mapping classes and used **Python scripts** to update content in the database and manipulate files.
* Created database using **MySQL**, wrote several queries to extract/store data.
* Wrote Python modules to view and connect the Apache **Cassandra** instance.
* Participated in deployment of the project into **Jenkins** using **GIT** version control system.
* Coded test programs and evaluated existing engineering processes.
* Designed and configured database and back end applications and programs.
* Performed research to explore and identify new technological platforms.
* Collaborated with internal teams to convert end user feedback into meaningful and improved solutions.
* Participated in Daily Stand-up meetings and provided status on work progress.

**Environment: Python 2.7, Django 1.4, MySQL, HTML, CSS, jQuery, JavaScript, AJAX, Eclipse, Linux, Git, Jenkins, Perl.**

**JetBlue – NYC, NY** Nov 2012 to Mar 2014

**Role: Senior Full stack &Python Developer**

**Responsibilities:**

* Responsible for gathering requirements, system analysis, design, development, testing and deployment.
* Participated in the complete **SDLC** process.
* Wrote Python modules to extract/load asset data from the **MySQL** source database.
* Designed and implemented a dedicated **MYSQL** database server to drive the web apps and report on daily progress.
* Developed views and templates with **Python** and **Django’s** view controller and templating language to create a user-friendly website interface.
* Experience in doing **automatic data-typing and automatic memory management** by using **PERL**
* Created entire application using **Python, Django, MySQL** and **Linux**.
* Enhanced existing automated solutions, such as the Inquiry Tool for automated Asset Department reporting and added new features and fixed bugs.
* Embedded **AJAX** in **UI** to update small portions of the web page avoiding the need to reload the entire page.
* Programming in **Python** as well as **Perl**
* Improved performance by using more modularized approach and using more in built methods.
* Involved in development of Web Services using **SOAP** for sending and getting data from the external interface in the **XML** format.
* Performed data manipulation/storage for incoming test data using **lxml** /**etree** libraries.
* Developed **API** modularizing existing python module with the help of **pyYaml** libraries.
* Wrote unit test cases for testing tools.
* Created database using **MySQL**, wrote several queries to extract/store data.
* Coded test programs and evaluated existing engineering processes.
* Used Spring **ORM** to integrate Spring Framework with hibernate.
* Designed and configured database and back end applications and programs.

**Environment: Python 2.7, Django 1.4, Puppet Rspec, Jenkins, Grafana/Graphite, MySQL, Linux, HTML, CSS, jQuery, JavaScript, Apache, Linux, Cassandra, Perl.**

**YANA Software Pvt. Ltd – Hyderabad, India** Nov 2011 to Oct 2012

**Role: Python Developer**

**Responsibilities:**

* Took part in each stage of Software Development Cycle(SDC) of getting the requirements, **design, development, system integration testing and user acceptance testing.**
* Analyzed and designed various applications using **Django** web framework.
* Wrote python scripts to parse XML documents and load the data into database.
* Developed and tested many features for dashboard using **Python, Bootstrap, CSS and javascript.**
* Built efficient, testable and reusable code for many Django modules.
* Worked on developing different internal testing tools which are written in python.
* Designed and embedded **AJAX** in **UI** in order to update small portions of a webpage so that need of reloading the entire page is avoided.
* Developed and used web services using **SOAP** to extract the data from external interface in XML format.
* Used **MongoDB** at the backend to develop an application.
* Developed small web applications using **CherryPy, Flask and Bottle**Frameworks**.**
* Worked in **AGILE** methodologies and **SCRUM** process.
* Created Unit tests and regression tests for the working/new code according to the client requirements.
* Responsible for debugging and troubleshooting web application.
* Provided security and access control for the web applications.
* Used **Pandas** and **Numpy** python packages for data analysis
* Used **JIRA** for bug tracking and monitoring.
* Extensive code reviewing using **GitHub pull requests**, improved code quality, and also conducted meetings among peer.

**Environment: Python, Django, HTML, CSS, XML, AJAX, MySQL, JavaScript, JQuery, CSS Bootstrap, GitHub, Linux, Pycharm, Jasper Reports, JIRA, Eclipse, Linux, Shell Scripting.**

**Orpine Systems Ltd– Hyderabad, India** Oct 2010 to Nov 2011

**Role: Python Developer**

**Responsibilities:**

* Responsible for gathering requirements, system analysis, design, development, testing and deployment.
* Participated in the complete **SDLC** process.
* Developed user interface using **CSS, HTML, JavaScript and jQuery**.
* Wrote Python modules to extract/load asset data from the **MySQL** source database.
* Designed and implemented a dedicated **MYSQL** database server to drive the webapps and report on daily progress.
* Developed views and templates with **Python** and **Django’s** view controller and templating language to create a user-friendly website interface.
* Used **Django framework** for application development.
* Created entire application using **Python, Django, MySQL** and **Linux**.
* Enhanced existing automated solutions, such as the Inquiry Tool for automated Asset Department reporting and added new features and fixed bugs.
* Created database using **MySQL**, wrote several queries to extract/store data.
* Developed, tested and debugged software tools utilized by clients and internal customers.
* Coded test programs and evaluated existing engineering processes.
* Designed and configured database and back end applications and programs.
* Performed research to explore and identify new technological platforms.
* Collaborated with internal teams to convert end user feedback into meaningful and improved solutions.
* Resolved ongoing problems and accurately documented progress of a project.

**Environment: Python 2.7, Django 1.4, Puppet Rspec, Jenkins, Grafana/Graphite, MySQL, Linux, HTML, CSS, jQuery, JavaScript, Apache, Linux, Git**

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**Standard Chartered Bank – Hyderabad, India** Sept 2009 to Aug 2010

**Role: Python/JAVA Developer**

**Responsibilities:**

* Involved in gathering business requirements, analyzing the project and created UML diagrams such as UseCases, Class Diagrams, Sequence Diagrams and flowcharts for the Optimization module using **Microsoft Visio.**
* Created and implemented databases using **MySql.**
* Built client pages using **HTML, JSP, XML**for the user interaction and implemented business logics using servlets and Java Beans.
* Developed python code required for the web application.
* Developed views and templates with **Django** web framework to create a better user friendly interface for the applications.
* Error handling code is written for different applications.
* Created **unit testing** of the modules created and run integration testing to test the end-to-end flow of the process developed.
* Used Eclipse **IDE** for code Development along with **GIT** Hub for managing the code.
* Responsible for Parsing **XML data using XML parser** and Testing, fixing of the bugs and coding modifications.
* Agile Methodologies are used for deploying the project.
* Developed test cases and performed unit test using **JUnit** Framework.
* Implemented various database connections using **JDBC.**
* Responsible for investigating the issues, defects, determining problem root cause, formulating corrective action recommendations & implementing them.

**Environment: Python 2.7, Django 1.3, MySQL, Linux, HTML, XHTML, CSS, AJAX, JavaScript, MySQL, JAVA J2EE, unit testing, XML, WSDL, SOAP, JAX-WS, GIT, IDE.**

**Seneca Global Inc – Hyderabad, India Jul 2008 to Aug 2009**

**Role: Software Developer**

**Responsibilities:**

* Performed analysis for the client requirements based on the developed detailed design documents.
* Developed Use Cases, Class Diagrams, Sequence Diagrams and Data Models using **UMLRationalRose**.
* Worked on development of common framework in Google web Toolkit (**GWT**) to build screens and make remote procedure calls to middle ware.
* Developed **Struts** forms and actions for validation of user request data and application functionality.
* Developed **JSP's** with Struts custom tags and implemented **JavaScript** validation of data.
* Developed programs for accessing the database using **JDBC** to execute queries, prepared statements, stored procedures and to manipulate the data in the database.
* Used JavaScript for the web page validation and Struts for server side validation.
* Designed the database and coding of **SQL**, **PL/SQL**, Triggers and Views using **IBMDB2**.
* Worked on the Design patterns of Delegates, Data Transfer Objects and Data Access Objects.
* Handled on issues related to conversion of Java to **AJAX**.
* Developed Message Driven Beans for asynchronous processing of alerts.
* Used Clear case for source code control and **JUNIT** for unit testing.
* Involved in peer code reviews and performed integration testing of the modules.
* Followed coding and documentation standards.

**Environment:** Java, J2EE, AJAX, GWT, Struts, JSP, JDBC, XML, JavaScript, IBM Web Sphere, JUnit, IBM DB2, SQL, PL/SQL, UML Rational Rose, CVS.

**Education:**

**Bachelor of technology** in **Information Systems, India.**