**Gowni Vignesh**

**Summary**

* Have~7 years ofexperienceinSoftware Development in Requirement Analysis, Design, Implementation,**Product**and**Project**basedenvironment.
* Experience in developing web applications on **Python, Django** and **Flask**
* Experienced in Implementing Client-Server, MVC Architectures.
* Experience in developing **mobile applications** on **Android**.
* Experience in designing UI using **Bootstrap**.
* Good Knowledge in various Backend and Front End Software Languages like Java, Python, Silverlight, JavaScript, JQuery, **AngularJs**, **ExtJS**, HTML, CSS.
* Ability to Work as a **Full Stack web developer**.
* Skills in Frame Works like J2EE, Django, Flask.
* Working experience in **Java Collections, Interfaces, Exception Handling** and **Performance Tuning**.
* Experience on Web Technologies using **HTML4/5, CSS/CSS3, JavaScript, JQuery, AJAX, AngularJS, XML** and **JSON** by following W3C standards.
* Extensive knowledge and experience in developing Single Page Applications (SPA) using **AngularJS**.
* Worked in cross browser compatibility, **Bootstrap and Responsive web design**.
* Good Experience in implementing Soap and Restful Web Services using XML, JSON.
* Having working Knowledge of **Amazon AWS S3** and **Amazon EC2**.
* Having good knowledge in using NoSQL database with **MongoDB**.
* Good knowledge of **SQLite, MySQL, MSSQL**with Python.
* Experience in writing Sub Queries, Stored Procedures, Triggers, Cursors, and Functions on MySQL database.
* Experience with Version Control with **SVN, CVS and GIT**.
* Excellent Interpersonal and communication skills, efficient time management and organization skills, ability to handle multiple tasks and work well in a team environment.
* Experience in Agile methodologies with **SCRUM, Waterfall Model** and **Test Driven Development**.
* Ability to deliver End to End Project from Use case to Deployment.
* Willing to learn and adapt to new technologies.
* Ability to work independently with minimal management direction.
* SkillsinunderstandingtheclientrequirementsandAnalyzing.
* Excellentanalytical,communicationandinterpersonalskills.

**TechnicalSkills**

* **OperatingSystems :**Windows,Linux, Unix.
* **Languages :**C,Java, Python, Silverlight, Bash, Shell Scripting
* **Web Frame Works :** Django, Flask, Angular Js.
* **WebTechnologies :**JavaScript, JQuery, AngularJs, ExtJS, HTML, CSS, Twitter Bootstrap,
* **Databases :** PostgreSQL, MySQL, Oracle 8i/9i/10g, MS Access, SQL Server, Sybase.
* **No Sql Databases :** MongoDB.
* **IDEs :**PyCharm, Eclipse, Netbeans, Visual studio 2010 and IDLE(Python)

Sublime Text, PyCharm and Intellij

* **Version Controls :** GIT, SVN and CVS.
* **Methodologies :** Agile and Waterfall
* **Debuggers :** gdb and pdb.
* **Deployment tools :**Heroku, Jenkins, Fabric.
* **Servers :**Apache Tomcat, Web Sphere, Web Logic and Glass Fish.
* **Automation Testing :**Selenium, Pyunit and Junit.

**Work Experience**

**SunTrust, Atlanta, GA July 15 – Till date**

**Role:Sr. 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.
* 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.
* Used **Tableau** to create reports and graphs and extracting data.
* 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, 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.

**Renew Financial, Portland, OR Aug 2013 – June 2014**

**Role: Sr. Python 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.**

**Williams Companies, Inc. Tulsa, OK Oct 2012- Jul 2013**

**Role: Python Developer**

**Responsibilities:**

* Analyzed system requirements specifications and also in client interaction during requirements specifications.
* Developed the presentation layer using **HTML, CSS, JavaScript, JQuery**and **AJAX**.
* Used JQuery libraries for all client side JavaScript manipulations.
* Used **petl** package to extract, Transform and Load tables of data.
* Utilized Python libraries **wxPython**, **numPY**, **Twisted** and **matPlotLib**.
* Implemented **SQLAlchemy** which is a python library for complete access over SQL.
* Worked on **ElementTree XML** API in python to parse XML documents and load the data in database.
* Skilled in collections and used for manipulating and looping through different user defined objects.
* Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.
* Used Django configuration to manage URLs and application parameters.
* Created entire application using Python, Django, MySQL and Linux.
* Used Amazon Elastic Beanstalk with **Amazon EC2** to deploy project into **AWS**.
* Accessed database objects using Django Database APIs.
* Created database using **MySQL**, wrote several queries to extract/store data.
* Exported/Imported data between various data sources.
* Experienced in Agile Methodologies and SCRUM Process.
* Identified several hidden bugs caused by complicated multithreading issues such as race conditions caused by asynchronous events and resolved them.
* Deployed the project into **Heroku** using **GIT** version control system.
* Responsible for debugging and troubleshooting the web application.
* Took part in the entire project’s lifecycle which includes Design, Development and Deploying, Testing, Implementation and support.
* Used Design patterns efficiently to improve the code reusability.
* Coordinated with the offshore developing team and assisted them when required.

**Environment:**Python 2.7, Django 1.4, CSS, HTML, JavaScript, JQuery, AJAX, MYSQL, Linux, Heroku, GIT.

**Terex Corp, Westport, CT Oct 2011 – Sept2012**

**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.***

**Orpine Systems, Hyderabad, India Aug 2010 –Sept2011**

**Role: Java Developer**

**Responsibilities**

* Involved in all the software phases from Analysis to Testing and documented all the changes done to the application.
* Followed Waterfall methodology.
* Involved in attending meeting with clients to get knowledge transition.
* Developed screen prototypes using HTML.
* Developed Use Case document explaining new and modified use cases and their behaviors.
* Developed Functional Specification document describing new screens and changes in the existing screens and their navigation details.
* Developed Low level Design document with Use Case Diagram, Sequence Diagram, Collaboration Diagram, Class Diagram, Activity Diagram and Component Diagram using UML.
* Designed and developed the presentation layer using JSP and JavaScript.
* Used n-tier and MVC Framework for development of Enterprise Application
* Developed Form Beans, Value Objects, Transfer Objects.
* Developed the design patterns like Session Facade, Business Delegate, and Data Access Object.
* Developed validation and tiles definition using the Struts framework.
* Designed and developed EJBs, mostly stateless session beans to handle business logic, which will internally call business objects.
* Developed unit test cases for the modules involved.
* Involved in Code Review.

**Environment**: **Core Java, HTML, JSP, JavaScript, JavaBean, Struts1.2, EJB 2, UNIX Shell Scripting, SQL, WebLogic 8, CVS, Eclipse, IBM Clear Quest, PVCS.**

**Bharti AirTel, India Sept 2009 – Jul2010**

**Role: Java/J2EE Developer**

**Responsibilities:**

* Gathered specifications for the Registration site from different departments and users of the services
* Developed **Java Beans** to be used by JSP pages for presenting Web content.
* Used Action Forms and **DynaAction Forms** to collect the user input
* Used **Tiles framework** to create templates and reusable components
* Used **Validator framework** to perform JSP form validation
* Involved in Normalization of database and created stored procedures using PL/SQL.
* Assisted in proposing suitable **UML** class diagrams for the project.
* Wrote SQL scripts to create and maintain the database, roles, users, tables, views, procedures and triggers in Oracle
* Designed and implemented the UI using **HTML, JSP, JavaScript** and **Java**.
* Created **SQL** queries and Stored Procedures for CRUD (Create, Read, Update and Delete) operations on database
* Testing and debugging the project for proper functionality and documenting modules
* Developed front-end form validations using JavaScript
* Developed Session and Entity Beans to implement business functionality
* Implemented **JDBC** to connect with the database and read/write the data.

**Environment:J2EE (JDK1.4.1, Servlets, JSP, JDBC), JavaScript, HTML, XML, Eclipse, WebLogic 6.1, SQL server 2000.**

**EDUCATION:** Bachelor of Technology in Computer Science, JNTUH.