**Susmita Hazra**

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**Python Developer**

**Work summary**

* Around 8+ years of IT experience in software analysis, data analysis,
* User interface design, technical development, software testing and documentation of various applications.
* Sound knowledge of Object Oriented Programming concepts.
* Proficiency in developing application in Python 3.4/2.7.
* Skilled experience in Python modules like Pandas, NumPy, Matplotlib, Pickle, Scikit - learn, PySide, SciPy, PyTables, Beautiful Soup etc. for creating histograms and generating complex graphical data.
* Worked with various Python Integrated Development Environments like PyCharm, PyScripter, Spyder, Visual Studio, PyDev, PyStudio and Net Beans.
* Hands on experience in statistical techniques for Data Modelling, Data Architecture and Data Analysis
* Good knowledge of Java and J2EE.
* Experience in JSP, Servlets, Enterprise Java Beans, JDBC.
* Good knowledge of JSTL tag library.
* Hands on experience in working with Java Multithreading and Exception Handling.
* Experience of working with BEA WebLogic.
* Sound Knowledge in cloud platforms like AWS.
* Experience in writing Python scripts in automating AWS for data upload and download.
* Experience in creating AWS EC2 instances.
* Worked on AJAX framework to transform Datasets and Data tables into HTTP Serializable JSON strings.
* Hands on experience in writing stored procedures, SQL queries, creating indexed views functions and triggers which helped in data manipulation
* Experience in Python web application frameworks like Django, Flask for developing web applications implementing Model View Control architecture.
* Knowledge about setting up Python REST API Frame work using Django.
* Strong in analysis and implementing web-based user interface using JavaScript, jQuery and various UI libraries.
* Experience in development of web application using Python, Django, HTLM5, CSS3, Javascript, jQuery, JSON and AJAX.
* Sound knowledge of responsive CSS framework like Bootstrap and Foundation.
* Good Experience working with WAMP (Windows, Apache, MYSQL, and Python/PHP)
* Excellent understanding of Software development life cycle (SDLC) and its models like Agile and waterfall.
* Experience of working in various stages of project including business requirements, Technical Architecture, Design Specification, Development and Deployment.
* Extensively used UML for designing to develop various use cases, class diagrams and sequence diagrams.
* Experience in working on project following Agile Methodology, Scrum and sprints in python-based environment.
* Good knowledge of deploying and troubleshooting IP protocols.
* Hands on knowledge of Jenkins as a Continuous Integration server to configure with Ant/Maven
* Experience in analysing and handling large datasets using Oracle Relational database 10g (10.2.0.3, 10.2.0.4, 10.2.0.5)
* Having good knowledge in using NoSQL databases like Apache Cassandra (1.2, 2.0 and 2.1) and Mongo DB (2.6, 2.4), Orient DB.
* Experience in using various version control systems like CVS, SVN and Git
* Troubleshoot client/server application issues.
* Familiar with code reviews, unit testing, user acceptance testing, system integration testing.
* Good experience in handling errors/exceptions and debugging the issues in large scale applications.
* Experience in documenting technical reports and project related documents for future references.
* Participated in technical reviews and audits.
* Experience in using UNIX shell Scripts for automating batch programs.

**Work Experience**

**Python Developer**

**Danphe Technology Solutions –**

**Billerica, MA April 2016 to Present**

**Project Description:** The project is about creating a customized ecommerce platform with inbuilt functionalities.

The platform also includes interface for real-time inventory information, centralized inventory system and forecasting on basis of report generated by data.

**Responsibilities:**

* Worked on data manipulations, Data extraction and Data Mapping through SQL queries.
* Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.
* Implementing admin sites to manage database information with Django Admin, MySQL and SQLite.
* Used several python modules like Pandas, Numpy and Matplotlib.
* Used Pandas API for east timestamp data manipulation and retrieval by putting data in tabular format as time series
* Generated various graphical reports using python package Numpy and matplotlib for business decision making.
* Used collections in Python for manipulating and looping through different user defined objects.
* Wrote scripts in Python for extracting data from HTML and CSV files.
* Wrote Python scripts to parse JSON documents and load the data in database.
* Parsed XML file using Python to extract data from database
* Used data structures like list, sets, directories, tuples, object oriented, class-based inheritance features for making complex algorithms.
* Created Python Django forms to record data of online users.
* Maintenance of web applications as per the change in the project requirement
* Using Python libraries to analyze multi-platform applications and cross-functional systems for architectural design decisions.
* Handled Business logics by backend Python programming to achieve optimal results.
* Developing backend of applications using Python Django Framework.
* Tested various regular expressions in URL Dispatchers in Django.
* Developed user interface module using HTML5, CSS3, JavaScript and jQuery.
* Used Ajax and jQuery for transmitting JSON data objects between frontend and controllers
* Improved code quality by reviewing codes pushed in GitHub and conducting meetings among peer.
* Worked on SVN and GIT version control
* Assisted in migrating data from Object database to Oracle database
* Wrote Unit Tests and implemented integrated test cases using PyTest.
* Worked on data exchange from website using XML and Web Services.
* Used JavaScript and JSON to update a portion of a webpage.
* Responsible for debugging the project monitored on JIRA (Agile)
* Responsible for writing/modifying scripts using sh and Bash for day-to-day administration
* Created database using MySQL, wrote several queries to extract data from database.
* Migrated the Django database from SQLite to MySQL to PostgreSQL with complete data integrity
* Used React JS library functions for the logical implementation part at client side for all the application.
* Followed Agile development methodology to develop the application.

**Environment:** Python, Pandas, Nympy, HTML, DHTML, AJAX, CSS, JavaScript, Django, PyUnit, JSON, REST, Bootstrap, Node.js, Git, JIRA, SQL, Agile, Windows and Linux.

**Jr. Python Developer**

**Q-Centrix –**

**Portsmouth, NH November 2013 to February 2016**

**Project Description:** The project was about creating an application to capture clinical data formats to calculate and submit clinical measures wherein I was assigned to work in search module.

**Responsibilities:**

* Created views and templates using Python and Django web framework to create a user-friendly website interface.
* Used Python and Django creating graphics, XML processing, data exchange and business logic implementation.
* Used Django configuration to manage URLs and application parameters.
* Designed and developed the UI of the website using Python, Django, HTML, XHTML, AJAX, CSS and JavaScript.
* Implement Business logic, worked on data exchange, processed XML and HTML using python and its familiar framework Django.
* Involved in code reviews using GitHub pull requests, reducing redundancy, improving code quality, and increasing knowledge sharing between peers.
* Emphasized on code review and on better algorithm and design.
* Used Design patterns efficiently to improve the code reusability in web development
* Participated in Daily stand-up meetings with project manager, team lead, co-developers, communicated with testers and resolved trackers.
* Provided continuous support for improvement by investigating alternatives and technologies and presenting them for architectural review.
* Wrote Python routines to log into the websites and fetch data for selected options.
* Used Python scripts to update content in the database and manipulate files.
* Participate in requirement gathering and analysis phase of the project in documenting the business requirements by conducting workshops/meetings with various business users.
* Used Django configuration to manage URLs and application parameters.
* Generated Python Django Forms to record data of online users
* Performed troubleshooting, fixed and deployed many Python bug fixes of the two main applications that were a main source of data for both customers and internal customer service team.
* Used jQuery for selecting DOM elements when parsing HTML.
* Used GitHub for version control.

**Environment:**Python, Pandas, Nympy, HTML, DHTML, AJAX, CSS, JavaScript, Django, PyUnit, JSON, REST, Bootstrap, Node.js, Git, JIRA, SQL, Agile, Windows and Linux.

**Lead Engineer**

**eBay Enterprise, HCL Technologies Ltd January 2010 to September 2013**

Project Description: The project was based on development, enhancement and maintenance of UI functionalities of eBay Enterprise clients such as Zales, iRobot, Timberland, Ace Hardware, Sports Authority, Dick's Sporting Goods, RadioShack, etc

**Responsibilities:**

* Lead Project Team of 6+ members for Production support during peak season
* Worked for operations team in resolving UI priority tickets (P1, P2, and P3).
* Resolved front end tickets of ecommerce sites reported in Client IQ
* Accomplished security compliance within the project tea
* Executed multiple critical (Priority 1) business situations successfully coordinating with multiple third-party companies
* Performed Requirement Analysis, Change Management, Problem Management, Incident Management, Root Cause Analysis(RCA)
* Established self as Primary Resource & SME for multiple business application (Client Specific)
* Coordinated with Release Managers to push the fixed changes to production.
* Coordinated with Client Offshore/Onshore directly
* Performed Walkthrough, Handover/Signoff of the Functional Documents, Developed Business Application.
* Automation of manual application management tasks resulting in reduction of 95% of manual monitoring time.
* Created store attributes and flags for each environment

**Role: Software Developer**

**Responsibilities:**

* User Interface Development, maintenance and testing.
* Added functionalities to existing ecommerce websites using HTML, CSS, JavaScript and jQuery.
* Implemented express shop i.e. Quick Shop for showing up product features and add to cart on category pages using AJAX.
* Entire UI maintenance including Mark-up, Designing, and Client site functionally
* Tested Business Application (Unit Test/String Test/UAT) and implementation
* Developed reusable and innovative business solutions and logic for the applications and document the same for Technical Library
* Worked on implementation of Ship to Store functionality. This project was purely based on JSP and JS.
* Created and updated the implementation plan with modified files and description of added functionality.

**Environment:** J2EE, HTML, AJAX, CSS, JavaScript, JSON, REST, JSP, JSTL, Bootstrap, JIRA, SQL, Agile, Windows, SSH, Confluence, CVS, SVN.

**Skills:**

HTML (6 years), JAVASCRIPT (6 years), BOOTSTRAP (6 years), JSON (6 years), AJAX (6 years) Additional Information

**TECHNICAL SKILLS:**  
  
**Languages Python 3.6/2.7, C++, JAVA 8/7, J2EE, JSTL, JSP,**

**Python Framework Django, Flask**

**Python Module Pandas, NumPy, Matplotlib, Pickle, PySide, SciPy, PyTables, Beautiful Soup**

**Web Technologies HTML/HTML5, CSS/CSS3, XML, JavaScript, JQuery, MVC3, Bootstrap, REST API, AJAX, JSON**

**Databases MySql, MS SQL Server**

**No-SQL Databases MongoDB  
Protocols TCP/IP, HTTP/HTTPS**

**Servers Weblogic, Apache Tomcat**

**Version Control SVN, CVS, GitHub**

**Methodologies Agile (Scrum)  
IDE's/Development tools NetBeans, Eclipse, PyCharm, PyScripter, PyStudio and Sublime text.**

**Operating Systems Window, UNIX, Linux  
Testing Tools Bugzilla and JIRA.**