**Niharika K**  
**Python Developer**

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**Professional Summary:**

* Over **8** years of experience as a **Web Application Developer** and **Software Engineer** using **Python, Django.**
* Participated in all phases of the **System Development Life Cycle Analysis (SDLC**).
* Good Knowledge in implementation Of **Python best Practices (PEP8).**
* Hands-on-experience on python web application development using **Django and Serverless framework.**
* Experience with Requests, **NumPy, SciPy, Matplotlib, and Pandas** python libraries during development lifecycle.
* Working with backend **python automation, CI pipelines, Docker and cloud provisioning/automation.**
* Experience in writing **Sub Queries, Stored Procedures, Triggers, Cursors, and Functions on SQL and PostgreSQL database.**
* Experienced in MVC frameworks like **Flask and Pyramid and** MVT framework like **Django**
* Experience working with notebook technologies like **Jupiter and open Source distribution Anaconda**.
* Worked with python libraries from **Python Package Index (PyPI).**
* Experience with **Jenkins and Enterprise GitHub**.
* Developed consumer-based features and applications using **Python, Django, and HTML.**
* Worked on **Jenkins continuous integration too**l for deployment of project.
* Proficient in SQL databases **MSSQL Server, MySQL (RDBMS), Oracle DB, Postgres and MongoDB**.
* ·Working experience on **JSON based REST Web services and Amazon Web Services (AWS) Such as** **EC2, Lambda, ELB, SQS (Queuing Services), VPC and cloud watch.**
* Having experienced in writing **Sub Queries, Stored Procedures, Triggers, Cursors, and Functions on** **MySQL, PL/SQL and PostgreSQL database**.
* Used **Git and Github** for Version Control.
* Remarkable knowledge of **design, Normalization and Database Management Concepts**.
* Wrote Python scripts to parse **XML documents and load the data in database**.
* Extensive experience in **SQL, PL/SQL programming, stored procedures, triggers and Query optimization, also written queries for insert, update and modification operations.**
* Performed **database normalization and optimization using database tools**.
* Designed and managed API system deployment using **fast http server and Amazon AWS architecture**.
* Implemented responsive web pages using **HTML5/CSS3, Bootstrap & XML/JSON REST web services.**
* Worked on various applications using python integrated **IDEs Eclipse, PyCharm, Sublime, Pystudio, Pyscripter and NetBeans.**
* Extensive analytical, logical and programming skills and ability to grasp new technologies and to correctly apply new tools to build applications.
* Possess good **interpersonal, analytical presentation Skills, ability to work in Self-managed and Team environments, fast learner and organized self-starter**.
* Created and configured new **JIRA projects and worked with departments to maintain existing JIRA projects.**
* Good debugging, root cause analysis and problem-solving skills.
* Experienced with excellent client and project management skills.
* Self-motivated and dependable while achieving high performance with minimal supervision.

**Technical Skills:**

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| **Programming languages** | C, C++, Java, Python |
| **Scripting Languages** | CSS, AJAX, Javascript, JQuery, PHP, Shell Scripting, Angular JS |
| **Markup Languages** | HTML, XML, JSON |
| **Databases** | Oracle, My SQL, MongoDB |
| **Query Languages** | SQL, PL/ SQL, PostgreSQL |
| **IDE/Development Tools** | PyDev, PyScripter, Pycharm, Python IDLE, Eclipse and NetBeans |
| **Bug Tracking Tools** | Jira and Bugzilla |
| **Integration Tools** | Jenkins and Web-builder |
| **Version Control** | SVN/Subversion and GitHub |
| **Browsers** | Internet Explorer, Mozilla Firefox, Google Chrome, Safari. |
| **MS Office Tools** | Microsoft Excel, Microsoft word, Microsoft PowerPoint, Outlook. |
| **Operating Systems** | Windows XP/7/2008/10, Mac OS. |

**Work Experience:**

Credibly, NY Jan 2018 – Till Date  
**Python Developer**

**Description:** Credibly alters the financing answers to meet your transient needs and help you achieve your long-term objectives. This deals with the monitoring and evaluating the impact of foreign investment on security and maintains its credibility by using python ND Django.

**Responsibilities:**

* Responsible for gathering requirements, system analysis, design, development, testing and deployment.
* Implemented user interface guidelines and standards throughout the development and maintenance of the website using **html, CSS, Javascript and JQuery**.
* Implemented **AJAX** for dynamic functionality of a webpages for front end applications.
* Used **Ajax** and **JQuery** for transmitting **JSON** data objects between frontend and controllers.
* Worked on front end frameworks like **CSS** **Bootstrap** for responsive web pages.
* Implemented presentation layer using **CSS framework, Wire-Framing** and **HTML5**.
* Worked on server-side applications with Django using Python programming.
* Associated with working cloud computing platforms like Open stack.
* Developed views and templates with Python and Django's view controller and templating language to create user-friendly website interface.
* Wrote scripts in Python for automation of testing Framework jobs.
* Building and supporting libraries in the test automation infrastructure.
* Developed Automation scripts for new enhancements using **Selenium WebDriver and TestNG**
* Worked on **Amazon Web Services (AWS)** infrastructure with automation and configuration management tools such as **Chef and Puppet.**
* Developed **Wrapper** in Python for instantiating multi-threaded application.
* Developed various algorithms for generating several data patterns.
* Validated the data of reports by writing SQL queries **in PL/SQL** Developer against **ODS**.
* Added several options to the application to choose particular algorithm for data and address generation.
* Good Understanding of the **Database Schema, Data Dictionary, Data Models** for testing the data in an **ETL** process.
* Created data access using **SQL** and **PL/SQL** stored procedures.
* Good experience in **Shell Scripting, SQL Server, UNIX** and **Linux, Open stack**.
* Participated in the complete **SDLC** process.
* Written many programs to parse excel file and process many user data with data validations.
* Developed monitoring and notification tools using **Python**.
* Worked on UI using **HTML5, CSS3** and **Java Scripts**.
* Worked with product development team in building necessary infrastructure to support development, test and production of the product.
* Worked on **AWS** Cloud Formation and **Terra** form API to create infrastructure on AWS as a code.
* Used **Amazon EC2** command line interface along with Bash/Python to automate repetitive work.
* Created Python script to monitor server load performance in production environment and horizontally scale the servers by deploying new instances.
* Wrote Python routines to log into the websites and fetch data for selected options.
* Developed entire frontend and backend modules using **Python** on **Django** Web Framework.
* Used the **Django** Framework to develop the application.
* Build all database mapping classes using **Django** models.

**Environment:** Python, PyUnit, HTML, AJAX, CSS, JavaScript, Django, Amazon Web Services (AWS), JSON, REST, MySQL, NoSQL, Bootstrap, Git, JIRA, SQL, Agile, Windows and Linux.

**DaVita, Denver, CO April 2017 – Dec 2017**

**Python Developer**

**Description:** DaVita is a Health-care service which provides the dialysis services for the patients who are suffering from chronic kidney failures. This project is to create API’s for patients records and updates the information simultaneously.

**Responsibilities:**

* Responsible for gathering requirements, system analysis, design, development, testing and deployment.
* 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 Business Logic using **Python** on **Django** Web Framework.
* Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.
* Used **Django** Database **API's** to access database objects.
* Used **JQuery** and **Ajax** calls for transmitting **JSON** data objects between frontend and controllers.
* Involved in building database Model, APIs and Views utilizing Python, in order to build an interactive web-based solution.
* Used**Python** based **GUI** components for the front-end functionality such as selection criteria.
* Created test harness to enable comprehensive testing utilizing Python.
* Used **Amazon Web Services (AWS)** for improved efficiency of storage and fast access.
* Added support for Amazon **AWS S3 and RDS** to host static/media files and the database into Amazon Cloud.
* Involved in front end and utilized **Bootstrap** and **Angular.js** for page design.
* Created Data tables utilizing **PyQt** to display customer and policy information and add, delete, update customer records.
* Used **PyQuery** for selecting particular **DOM** elements when parsing **HTML.**
* Used **Wireshark**, live **http headers**, and **Fiddler2** debugging proxy to debug the Flash object and help the developer create a functional component.
* Used **Pandas API** to put the data as time series and tabular format for east timestamp data manipulation and retrieval.
* Created Business Logic using Python to create Planning and Tracking functions.
* Created UI Screens for initiation and validation.
* Worked on UI using **HTML5, CSS3** and **Java Scripts**.
* Developed multi-threaded standalone app in Python and **PHP** to view performance.
* Used **Pandas** library for statistical Analysis.
* Developed tools using **Python, Shell scripting, XML** to automate some of the menial tasks.
* Working in team of Architects and Developers to build and deploy **Python, Flask Peewee, Linux, AWS.**
* Version control using **GITHub.**
* Involved in writing stored procedures using **MySQL**.
* Interfacing with supervisors, artists, systems administrators and production to ensure production deadlines are met.

**Environment:** Python 3.x, Django, Shell Scripting, AWS, Pandas, PyQt, PyQuery, Wireshark, Flash, DOM, JSON, PHP, HTML5, CSS3, AJAX, JavaScript, Angular.js, Bootstrap, Apache Web Server, MYSQL, GitHub, LINUX.

**Juniper Pharmaceuticals Inc, Boston, MA Sep 2016 – Mar 2017**

**Python Developer**

**Description:** The Project is to increase the growth of drug development and treatment tracking system. Also, there I Worked on conversion of Sales/Back Office Integration system from PHP to Python/Django System.

**Responsibilities:**

* Involved understanding the current business process, defining scope of the project along with position statement.
* Re-engineered various modules for implementing changes and creating efficient system.
* Developed dynamic web pages using **python Django** Frameworks.
* Used Python and Django creating graphics, **XML** processing, data exchange and business logic implementation.
* Supported Apache Server on Linux Platform.
* Installation and setting up **Python/Unix** test beds.
* Created use-case scenarios and storyboards in **MS Word** and **MS PowerPoint** for better visualization of the application.
* Write Automation/test python scripts to test.
* Flex development exposure of Flex layout and navigation, event handling, pop-up dialogs, menus and skinning.
* Used **HTML, CSS** for front-end applications.
* Used python scripts to update content in the database and manipulate files.
* Resolved issues and improvised the process to ensure a stable and accurate solution
* Generated Python Django Forms to record data of online users
* Python OO Design code for manufacturing quality, monitoring, logging, and debugging code optimization
* Responsible for analysis, design, development and integration of Market Risk applications with **JAVA/PYTHON**.
* Held meetings with client and worked all alone for the entire project with limited help from the client.
* Worked on writing and as well as read data from **csv** and **excel** file formats
* Provided technical and business knowledge to clients.
* Analyzed data using Excel **VBA** scripts and **Macros**.
* Working with the architect, developers on business and technical issues, helping in designing the system; and testers to ensure all requirements are correctly translated.
* Managed requirements and tasks using **JIRA**
* Automate the outbound/inbound **EDI** document to drop files in the client ftp server
* Data mapping, logical data modeling, created class diagrams and **ER** diagrams and used **SQL** queries to filter data within the Oracle database.

**Environment:** MS Visio, JIRA, UML, Python 2.7, Sublime text2(IDE) Windows 7, SQL, Requests, url-lib, urllib2, Beautiful soup, Django.

Jive Software, **Portland, OR Dec 2014 - July 2016**

Java Developer

**Description:** Jive is the main supplier of correspondence and cooperation answers for business. Jive-fueled coordinated effort center points and intuitive intranets drastically enhance representative commitment, arrangement, and profitability by giving one place to interface, impart, and cooperate. This project is to build the undertaking coordinated effort programming that drives representative commitment and profitability.

**Responsibilities:**

* Developed Business logic using **J2EE, JSP, Servlet and Spring Bean Classes**.
* Developed the application using Struts Framework which is based on the **MVC** Design Pattern.
* Interacted with end applications and performed Business Analysis and Detailed Design of the system from Business Requirement documents.
* Implemented the business layer by using **Hibernate** with **Spring DAO** and developed mapping files and **POJO** java classes using **ORM** tool.
* Configured springapp-servlet.xml, web.xml Spring-specific deployment descriptor
* Used Spring Batch framework to load flat files to database
* Database handling, Multithreading, Synchronization, Communication.
* Involved in writing of Web Services using **SOAP, WSDL,** deployment, configuration and testing.
* Used Git for version control.
* Implemented application level persistence using Hibernate and Spring.
* Designed web screens for various modules using **JSF, HTML, DHTML** and **CSS** and used JavaScript as client-side validation
* Used **JQUERY** to handle the client-side validations.
* Monitored the error logs using **Log4j** and fixed the problems.
* Developed the Servlets for processing the data on the WebSphere Application server.
* Developed various UI (User Interface) components using **Struts (MVC), JSP, and HTML.**
* Created test plans and JUnit test cases and test suite for testing the application.
* Worked in Agile environment with active **scrum** participation.
* Developed build Scripts using Maven to build and deploy the application.
* Created and Modified DAO's to communicate with **DB2.**

**Environment:** Java, Servlets, JSF, Struts, Spring, Hibernate, XML, CSS, AJAX, HTML5, Git, Web Sphere Application Server, Java Script, REST Web Services, Jersey, JUNIT, MAVEN, DB2, Agile, Log4j.

Congruent Solutions, Chennai Jan 2013 **- Nov 2014**

**Java Developer**

**Description:** Congruent has established a track record of providing cost-effective software and back office administration services to the retirement industry. The key features of the application included modules like Get a Quote, set an appointment, and Manage claims etc.

**Responsibilities:**

* Interaction with the users at all stages of development to ensure that development was as per user specifications.
* Used **OOD** concepts in overall design and development of the system.
* User requirements study, analysis and review of the specifications.
* Designed and Implemented the **J2EE** Based with **JDBC** in Eclipse IDE.
* Work directly with management, vendors, and third parties to ensure database management applications operate at peak efficiency.
* Extensively worked on Java server-side programming using **Servlets, and JSP**. **CSS** is used to style Web pages, **XHTML** and **XML** markup.
* Implemented servlets to handle HTTP requests for on-line requests, credit card payments, registration and bug tracking.
* Using **XML** for dynamic display of options in select box and description on web page.
* Asynchronous messaging is done using **JMS** and created Queue for point to point messaging.
* Designed complex application database SQL statements for querying, updating and reporting using **JDBC.**
* Responsible for testing, debugging, bug fixing and documentation of the system.
* Developed JUnit test cases and performed integration and system testing.
* Implemented Java components and deployed under the WebLogic server.

**Environment:** Java, J2EE, JDBC, XML, Servlets, HTML, JavaScript, JSP, CSS, SOAP, Eclipse, SQL, CVS, JUnit, Log4j, WebLogic, Windows.

Global Hospitals, **Hyderabad May 2011- Dec 2012**

Jr. Software Engineer

**Description:** This project was designed for Administrating records of both Inpatient and Outpatient Environments. This project was used by medical practitioners to document, monitor and save reports of all the patients within the organization.

**Responsibilities:**

* Understanding the new/existing report Requirements and identify required Test Scenarios.
* Attend client call to discuss report requirements twice in a week.
* Logging the defects **in Bugzilla** and track them till the closure.
* Experience in use of **SQL** client and executing SQL queries to pinpoint the bug in the report data.
* Documented all reports, data logic and specifications.
* Actively participated in meetings with business groups to update the project related details.
* Participated in enhancement meetings and was also responsible for weekly status updates, troubleshoot new releases and production issues.
* Worked on System testing, User acceptance testing for a responsive design of the interface.

**Environment:** Java, Selenium WebDriver, Apache POI, TestNG, SoapUI, Jenkins, JIRA, SQL Server, XML, DOM, Eclipse, Agile, Oracle.