**ADRIJA**

**SUMMARY:**

* **7 + years** of experience as a Python and Java Developer, proficient coder in multiple languages and experience in Design, Development, Implementation of Python, Django, Flask, Pyramid and client-server technologies-based applications, **RESTful services, AWS, C, C++, JAVA and SQL.**
* Experience in all phases of Software Development Life Cycle Process across various workflows (Requirement study, Analysis, Design, Coding, Testing, Deployment and Maintenance) in Web & Client/Server application development.
* Extensive experience in developing web applications using Python, Django, Flask, Pyramid, Sanic frameworks. worked with several python libraries including Beautiful soup, Twisted, NumPy, panda, **pyspark**, **matplotlib, SciPy, PyQt, Scapy, SQLAlchemy, Boto,** logging, Nose, Blaze, Hug.
* Good experience in developing web applications implementing **MVT/MVC** architecture using Django, Flask, Webapp2and spring web application frameworks, with good understanding of Django **ORM** and **SQL**Alchemy.
* Hands on experience in working with various Version Control Systems, mostly GIT, subversion SVN, CVS and Mercurial.
* Experience working with Django, Jinja to handle the templating with python.
* Hands-on experience with industry-standard IDEs like PyCharm, Sublime, Emacs, Eclipse, NetBeans, Intellij**, TOAD.**
* Worked on the technologies like **HTML, HTML5, CSS, CSS3, JavaScript, jQuery, XPath, RegEx**.
* Extensive experience in developing applications by implementation of web based and client/server application using **HTML, Bootstrap, PHP, CSS, JavaScript, Bootstrap, D3.js**, and various **Java/J2EE** technologies.
* Strong knowledge of Data Structures and Algorithms, Object Oriented Analysis, machine learning and software design patterns.

**EDUCATIONAL DETAILS:**

* Bachelor of Technology in Information Technology West Bengal University of Technology, Kolkata, India.

**TECHNICAL SKILLS:**

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| **Languages** | Java, C#, Asp.Net, Python |
| **Web Designs** | HTML5, CSS 3, JavaScript |
| **Databases** | MySQL, Oracle-9i, NoSQL |
| **Tools** | Microsoft Visio, Balsamiq |
| **Environments** | Eclipse, Linux., Tableau, Visual Studio |

**PROFESSIONAL EXPERIENCE:**

**Verizon, Richardson, TX September 2017- Till Date**

**Role: Python Developer**

**Description:** Verizon Communications Inc., commonly known as Verizon, is an American multinational telecommunications conglomerate and a corporate component of the Dow Jones Industrial Average.  It offers smartphones powered by Apple's iOS, Google's Android, Microsoft's Windows Phone and BlackBerry OS. Its basic phones use Verizon's 3G network, while the smartphones use their 4G LTE network. The company offers different voice and data plans for its users.

The name of the project I worked on was VNF Automation (telecommunication project). It involved ROBOT Framework and Selenium using JAVA, writing scripts in Python and writing JAVA programs with Zephyr.

**Responsibilities:**

* Develop **Python** scripts for **ROBOT software framework** to automate test cases.
* 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.
* Manage source code in **Bit Bucket** and integrate it with **Jenkins**.
* Export and import Test Cases from Excel to Jira using Python scripts. Develop **REST APIs** and connect to Zephyr with **Jira** using **JAVA**.
* Executed **SQL queries** to fetch records from the DB and validate results obtained from the logs.
* Completed in-depth analyses for business-organization projects, reporting tools, back-end programs and payment processing app.
* Requirement analysis to define business processes and workflow for each of the Use cases
* Participation in Architectural discussions on Specifications, forming relationships and applying relevant design patterns wherever applicable
* Prepare Low Level design, High Level design document and creating the reusable components for across the application
* Implement) **Model View Controller (MVC** architecture Using **Spring**
* Develop end-to-end application using **Java 8, jQuery, Spring, brazil build tool**
* Developed Web Application where **MongoDB** is used in the back-end part
* Participation in unit testing, code deployment, bug fixes, application support and downtime handling
* Participation in client interactions and daily standup meetings
* Mentor junior developers: assisted with code reviews, conducted technology discussion groups and presentations
* Prepare Daily Monitoring Report, Weekly Status Report and Monthly User’s Report

**Environment:** Java, MongoDB,Jenkins, Unit Testing, Docker, Django, Python, JIRA, Zephyr, Selenium, Robot Framework, GIT, REST, AXURE.

**Data Science Knowledge Base Consulting Club, Bloomington, IN August 2016 - May 2017**

**Role: Python/JAVA Developer**

**Description:** IU Data Science Club is aims at making connections with different companies helping students to get job by letting them show case their projects. It undertakes opportunities letting students learn about tools and techniques for effective applied Data Science. Students build their skills by consulting with partners from academia and industry for short term Data Science projects. They work together in teams to provide solutions to the clients and get feedback on their services, gaining useful knowledge along the way.

I worked as a Research Assistant which resulted in my tuition waive. The projects I worked on were SPEA Affordable Care Act Research and Mindshift solutions.

SPEA Affordable Care Act Research project involved aggregation of large set of government data from the Agency for Healthcare Research and Quality (AHRQ), which is of interest to researchers, human resources, or other consulting companies.

**Mindshift Solutions** goal of the project is to increase a call center’s ability to resolve a customer’s complaint, in the first interaction and in the shortest amount time while improving customer satisfaction and optimizing call center resources like knowledge base

**Responsibilities:**

* Designed programming course for **GitHub, Tableau, R, MySQL** and **Python** for non-programmers.
* Updated the website of Data Science Knowledge base which can provide students a forum to share projects, using **Spring MVC**.
* Requirement analysis to define business processes and workflow for each of the Use cases
* Participation in Architectural discussions on Specifications, forming relationships and applying relevant design patterns wherever applicable
* Prepare Low Level design, High Level design document and creating the reusable components for across the application
* Design and develop **SQL scripts** for creation of tables in DB2 for different modules
* Develop end-to-end application using **Java, Maven, Spring, WebSphere Application Server, Data Source, JNDI lookup and Database creation**
* Create **Spring Rest Service**
* Integration with **Apache Subversion (SVN) and Jenkins**
* Experience in design and developing Application leveraging **MongoDB**.
* Participation in **unit testing, code deployment, bug fixes, application support and downtime handling**
* Participation in client interactions and daily standup meetings
* Mentor junior developers: assisted with code reviews, conducted technology discussion groups and presentations
* Prepare Daily Monitoring Report, Weekly Status Report and Monthly User’s Report

**Environment:** Core Java, MongoDB,RAD 7.5, WebSphere Application Server 7, Spring MVC, Spring Rest Web Services, JSON, AngularJS, Spring Security, Agile, Multi-Threading, Maven, DB2, JDBC, SVN, Jenkins, ClearQuest

**Cornerstone Information Systems, Bloomington, IN August 2015 - August 2016**

**Role: Developer**

**Description:** Cornerstone Information Systems provide travel management software that reduces corporate/agency travel costs with real-time information. It provides technology to support the goal of increasing top-line revenue and improving operational efficiency and staff productivity to grow profitability.

**Responsibilities:**

* Single-handedly developed automation scripts using **Selenium WebDriver (in Java)** and integrated with **Jenkins** from scratch, thus starting a new trend in the company.
* Prepared and executed **Unit-Smoke-Regression-Integration** Test as per Systems requirement
* Scripted **SQL/PLSQL** queries extensively and developed **SQL query scripts** to export data from excel sheet using Java, which was greatly appreciated by the product management team.
* Worked in a dynamic **AGILE environment** and participated in scrum, sprint meetings with the development team.
* Oversee all stages of design, development, and deployment of new Java-based vendor application system for travel industry
* Worked on presentation layer, developed dynamic UI modules using JSP/JS pages along with jQuery and AJAX calls
* Implemented Maven Script to create JAR, WAR, EAR & dependency JARS and deploy the entire project onto the JBoss Application Server.
* Worked with Spring MVC, Spring Core, DAO, Spring Security, XML, JAXB. Designed Patterns to implement REST/SOAP based services.
* Integrating the front-end UI to back end using Spring MVC framework.
* Used the spring open source framework for building Servlet/JSP based web application on the MVC design paradigm.
* Configured Hibernate second level cache using Ehcache to reduce the number of hits to the configuration table data.

**Environment:** Unit Testing, Jenkins, C#, Docker, Selenium, AGILE, LINQ, MySQL, Pl SQL.

**CMC Pvt Ltd, Kolkata, India June 2013 – July 2015**

**Role: Software Engineer**

**Description:** CMC Ltd. was amalgamated into Tata Consultancy Services on October 1, 2015. It offers application design, development, testing services and asset-based solutions in niche segments through turnkey projects for mission critical systems.

**Responsibilities:**

* Analyzed gaps in already existing architecture of the tool, implemented solutions using **Agile Software Development Methodology**
* Automated Desktop Applications by automating certain routines using **Java in Test Complete**.
* As a part of **requirement analysis team developer**, interacted with client on daily basis for further enhancement of the product
* Developed dynamic dashboards for the ease of the development team to view and assigned published targets using **RESTful web services**.
* Involved in the phases of **SDLC Analysis, Design phase, Development, UAT** and **Production phase** of the application.
* Installation and configuration of **MongoDB**
* Developed UI part of application by using **HTML, XHTML, DHTML, CSS, XML, XPATH, XSLT, JavaScript, jQuery, Portal.JS, AJAX, JSP's, JSTL**.
* Designed and developed application using **Spring Framework-IOC/DI, Spring MVC, Servlets, POJO and EJB integrating with Hibernate framework**.
* Used **Hibernate ORM framework** to develop Data Access Layer.
* Written SQL queries, stored procedures manipulating and addition of new features in the DB2 & Oracle database.
* Developed and Consumed **SOAP/ Restful Web services** using JAX-WS, JAX-RS, WSDL, XML to access image archives and retrieval systems such as IBM FileNet P8 Archive.
* Created unit test cases for Smoke & Regression Testing using Cucumber and Junit testing framework.

**Environment:** Unit Testing, TFS, Functional Testing, Java, REST, VBScript, Test Complete, MySQL, AGILE, Balsamiq.

**Oriens InfoTech Pvt Ltd, Kolkata, India**  **June 2010 – May 2013**

**Role: Software Developer**

**Description:** The company is involved in Software publishing, consultancy and supply [Software publishing includes production, supply and documentation of ready-made (non-customized) software, operating systems software, business & other applications software, computer games software for all platforms. It includes providing the best solution in the form of custom software after analyzing the users’ needs and problems. Custom software also includes made-to-order software based on orders from specific users. Also, included are writing of software of any kind following directives of the users; software maintenance, web-page design].

**Responsibilities:**

* Designed the front end of the application using **Python, Java, HTML, CSS, AJAX, JSON and jQuery**. Worked on backend of the application, mainly using Active Records.
* Involved in the design, development and testing phases of application using **AGILE methodology**.
* Maintained databases using **Python** and developed **Python based API** (RESTful Web Service) using **Flask, SQLAlchemy and PostgreSQL**.
* Worked on development of **SQL** and **stored procedures, trigger and function on MYSQL**.
* Developed **server-based web traffic** statistical analysis tool using Flask, Pandas.
* Used **Python and Django creating graphics, XML processing of documents, data exchange and business logic** implementation between servers.
* Installed and configured configuration tool such as **Chef Server / workstation** and nodes via **CLI tools to AWS nodes**
* Created restful web services for Catalog and Pricing with **Django MVT, Jersey, MySQL, and MongoDB.**
* Developed rich **UI web application** using java script libraries like **jQuery UI, data grid, Jscolor, high charts.**
* Used MySQL as backend database and MySQL dB of python as database connector to interact with MySQL server.
* Used **Numpy** for **Numerical analysis, PySpark to expose Spark API** to Python.
* Developed applications using **MongoDB, Redis, and MySQL**.
* Involved in writing application level code to interact with APIs, Web Services using JSON.
* Involved in Agile Methodologies and **SCRUM** Process.
* Developed entire frontend and backend modules using Python on **Django Web Framework.**
* Actively involved in developing the methods for Create, Read, Update and Delete **(CRUD)** in Active Record.
* Designed and managed API system deployment using fast http server and Amazon **AWS architecture.**
* Used MVC **architecture** for developing the application.

**Environment:** Python, Java, MySQL, Spring MVC, SSL.