**Varun Reddy**

**Python Developer**

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**Experience Summary:**

* Over 5 years of experience as a **Software developer** and design using **Python**, **Django, HTML, CSS, MySQL, Oracle PL/SQL, Postgres**.
* Over 2 experience in**, Node JS, JavaScript,** **Java** andwith specialization in Hybrid and Cloud Implementations.
* Experience in building single page application by using **React JS**
* Hands on experience in designing, developing, deploying, testing and implementing various stand alone and client-server architectures-based enterprise application software on different domains.
* Experienced with full software development life-cycle, architecting scalable platforms, object-oriented programming, database design and agile methodologies.
* Developed Web-based applications using **Django, Python, C++, XML, CSS, HTML, DHTML, JavaScript, jQuery, Bootstrap, RESTful.**
* Proficient with various Python libraries like **SciPy, NumPy, Matplotlib, Pandas, PyTables, PyIMSL** pickle to enhance the performance throughout the SDLC.
* Hands on experience programming with **C++, Python, Django and Ajax** technologies.
* Well versed in **WAMP (Windows, Apache, MYSQL,** and**Python)** and **LAMP (Linux, Apache, MySQL,** and**Python)** Architecture.
* Familiar with **JSON** based **REST, SOAP**, and **Amazon Web Services**.
* Experienced with full software development life-cycle **(SDLC),** architecting scalable platforms, object-oriented programs **(OOPs)**, database design and agile methodologies.
* Successfully migrated Django database from SQLite to MySQL to PostgresSQL with complete data integrity.
* Working with backend python automation, **Docker and cloud provisioning/automation**.
* Experienced in MVC frameworks like **Flask** and MVT framework like **django**.
* Experienced in **NoSQL** technologies like **MongoDB, Cassandra** and relational databases like **Oracle, SQLite, PostgreSQL** and **MySQL** databases.
* Knowledge in Data mining and Data warehousing using **ETL** Tools and Proficient in Building reports and dashboards in Tableau (BI Tool).
* Proficient in writing unit testing code using Unit Test/PyTest and integrating the test code with the build process worked on Python Testing frameworks like Bottle, zope, pytest, nose and Robot framework also involving **Beautiful Soap, Numpy, Scipy, Matplotlib, python-twitter, Pandas Dataframe**, **urlib2** libraries.
* Experience in developing web-based applications using **Python 2.7/2.6/3.4/3.7, Django 1.4/1.3, PHP, Flask, Webapp2, Angular.js, XML, Ajax, CSS, HTML, DHTML, JavaScript** and **JQuery**.  
  Having very strong experience writing API's/ and Web Services in PHP and in Python.
* Experience with **Jenkins** and **Enterprise GitHub**. Worked on **Jenkins** continuous integration tool for deployment of project.
* Good knowledge of version control software –**SVN**, **CVS, GitHub.**
* Experienced in Agile Methodologies, Scrum stories and sprints experience in a Python based environment, along with data analytics, data wrangling and Excel data extracts.
* Experience in Database Administration, development, design, maintenance and production support of relational databases, business applications, new server setup, MySQL Server installation, upgrade, migration.
* Analytical, problem-solving and interpersonal skills. Ability to learn new concepts fast consistent team player with excellent communication skills.
* Strong independent learning ability, easily adaptable to different development environments, collaborative, highly motivated and dedicated to delivering quality software.
* Authorized to work in United States for any employer.

**ACADEMIC PROFILE:**

* **Master of Engineering Technology Management** (MSE) from Indiana Institute of Technology
* **B.E (Electrical and Electronics Engineering)** from Andhra University

# Technical SKILLS

**Operating Systems :** Unix, Linux, Ubuntu, Solaris, Windows, and MacOS

**Languages :** Python, PL/SQL, Java, CSS, HTML, Java Script

**Databases :** Oracle 10/11g, MySQL, SQL Server and PostgreSQL, MongoDB

**Tools :** PyCharm, PL/SQL Developer, Spyder, Visual Studio

**Integration Tools :** Jenkins

**Message Broker :** RabbitMQ, IBM MQ

**Web Server :** Apache Webserver

**Defect Tracking :** JIRA and VersionOne

**Cloud Services :** AWS, Microsoft Azure

**KindredHealth – Louisville, KY Jun’ 2017 to Present**

**Client :** KindredHealth

**Role :** Sr. Python Developer

**Project Description**: Kindred Healthcare Incorporated is a healthcare services company that operates hospitals, nursing centers, and contract rehabilitation services across the United States. Kindred is the largest diversified post-acute healthcare provider in the U.S

**Responsibilities:**

* Responsible for using the best technologies to add features to the existing system and services.
* Involved in all aspects of the development process from product inception to scaling in production.
* Accountable for driving software development best practices for the team and also mentoring and developing junior engineers.
* Working in collaboration with project managers and higher management in cross-functional teams within Sales and Account Management, to understand business requirements and develop efficient, elegant approaches to their implementation.
* Writing **REST APIs**, as part of developing web-based applications for insurance premium calculations, using Django's REST framework.
* Heavily leveraged Python's graphics **APIs** for creating graphics and serialization libraries for encoding data in **XML/JSON** formats.
* Correspondingly involved in writing **REST APIs** using **Django** framework for data exchange and business logic implementation.
* Involvement in using collections in Python for manipulating and looping through different user defined objects.
* Used React-router to turn application into single page application
* Design and implemented custom Bash scripts for controlling the data flow from the **Postgre SQL** database.
* Assisted the development team in sending the correct data via query strings using Postgre SQL as the back-end for storing data.
* Used Django configuration to manage URLs and application parameters.
* Responsible for configuring **NoSQL** databases like Apache **Cassandra and MongoDB** to for increasing compatibility with **Django.**
* Designed and created backend data access modules using **PL/SQL** stored procedures.
* Good experience in writing SQL Queries and implementing stored procedures, functions, packages, tables, views, cursors, triggers.
* Responsible for debugging the project monitored on **JIRA.**
* Actively worked as a part of team with managers and other staff to meet the goals of the project in the stipulated time.
* Developed and executed User Acceptance Testing portion of test plan.
* Generated Django forms to record data of online users and used **PyTest** for writing test cases.
* Extensive use of version controlling systems like **GIT** and **SVN.**

**Environment:** Python, Django, MySQL, NOSQL, PL/SQL, GIT, SVN, Unit Test Linux, REST APIs, Apache Cassandra, MongoDB, Windows, PyTest, Jira.

**TracFone – Miami, FL Aug’ 2016 to Jun’ 2017**

**Client : TracFone**

**Role :** **Sr. Python Developer**

**Project Description**: TracFone Wireless, Inc. is a prepaid mobile virtual network operator in the United States, Puerto Rico, and the US Virgin Islands. TracFone Wireless is a subsidiary of Mexico's largest telecommunications company América Móvil, and offers products and services under multiple brands.

**Responsibilities:**

* Designed the front end of the application using **Python, HTML, CSS, AJAX, JSON** and **jQuery.**
* Used the Django Framework to develop the application.
* Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.
* Involved in implementing the complete Application in the in-build Spring **MVC** Architecture with **Angular JS.**
* Used JavaScript and **JSON** to update a portion of a webpage.
* Responsible for debugging the project monitored on **JIRA (Agile).**
* Wrote Python scripts to parse JSON documents and load the data in database.
* Used Python and Django to interface with the jQuery UI and manage the storage and deletion of content.
* Wrote and executed various **RDBMS, MYSQL** database queries from Python using Python-MySQL connector and MySQL dB package.
* Designed and Implemented Server Build Automation & Server Decommissioning Automation
* Implemented web applications in Flask frame works following MVC architecture.
* Worked on front end frame works like **CSS Bootstrap** for development of Web applications.
* Involved in deployment of project using **AWS.**
* Special skills in developing user friendly, simple yet effective web-based applications.
* Worked on MySQL database on simple queries and writing Stored Procedures for normalization and Denormalization.
* Used many regular expressions to match the pattern with the existing one.
* Built SQL queries for performing various CRUD operations like create, update, read and delete.
* Performed Unit testing, Integration Testing, web application and automation testing.
* Taken part in entire lifecycle of the projects including Design**, Development, and Deployment, Testing** and Implementation and support.
* Worked in development of applications especially in **UNIX e**nvironment and familiar with all its commands.

Environment: Python, Django, HTML-5, CSS-3, XML, MySQL, JIRA, JavaScript, Angular JS, Backbone JS, jQuery, RDBMS, CSS Bootstrap, Mongo DB, MS SQL, Eclipse, Git, GitHub, AWS, Amazon Lambda, Linux, Shell Scripting.

**Tech Mahindra – Bengaluru, India Feb’ 2013 to Nov’ 2015**

**Client :** Tech Mahindra

**Role :** Python Developer

Project Description: Tech Mahindra Limited is an Indian multinational provider of information technology, networking technology solutions and Business Process Outsourcing to various industry verticals and horizontals.

Responsibilities:

* Responsible for gathering requirements, system analysis, design, development, testing and deployment.
* Interfacing with supervisors, artists, systems administrators and production to ensure production deadlines are met.
* Developed tools using Python, Shell scripting, XML to automate some of the menial tasks.
* 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 frontend 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.
* Used PyQuery for selecting particular DOM elements when parsing HTML.
* 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.

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