**DETAILS:**

**Name: KISHORE KUMAR DEVRAJULA**

**Ph: +1-425-301-1345**

**Email:** [**kkpython7@gmail.com**](mailto:kkpython7@gmail.com)

**LinkedIn:** [**http://linkedin.com/in/kumar-kishor-3b2b8015b**](http://linkedin.com/in/kumar-kishor-3b2b8015b)

**CAREER FOCUS:**

* 8+ years of software/IT experience in Analysis, Design, Development, Implementation, Testing, Maintenance and Documentation of web based and standalone applications in Energy, Banking, Finance, Health, Retail and Communication domains.

**TECHNICAL SKILLS:**

* **Programming Languages**: Python,, go, C, C++,Bash.
* **Web Technologies**: HTML5, CSS, JavaScript, JQuery, AJAX
* **Frameworks**: Django, Flask.
* **Application Servers:** Apache Tomcat, Web Sphere, Web Logic.
* **IDE’s Development tools:** vscode,PyCharm, NetBeans, Brackets, Eclipse.
* **Operating Systems:** Windows XP/7.0/8/10, Fedora 16/18, ubuntu 14.04, and UNIX.
* **Issue Trackers:** Bugzilla, JIRA.
* **Version Controls:** SVN, GIT.
* **CI tools:** Jenkins, Docker
* **Methodologies:** Agile
* **Database:** Oracle 8i/9i/10g, MySQL 5.x, PostgreSQL, MongoDB, Cassandra, SQL server, MS Access.
* **Cloud**: **Amazon Web Services** (EC2, Route53, S3.)
* **Protocols:** REST, SOAP, TCP/IP, HTTP/HTTPS.

**PROFESSIONAL EXPERIENCE:**

* Expertise in developing **MVC** based applications using **Django**, **Flask, and Express** Frameworks.
* Developed and implemented APIs using Django Restful framework to perform CRUD operations on AWS RDS.
* Experienced in designing rich Graphic User Interface using frontend layouts on the web using **HTML5, XML, CSS, JavaScript**.
* Experience with **HTTPLib2, Urllib2, Beautiful Soup, numpy, scrapy, petl, json, Pickle, Pandas, Scipy, pyspark** and **Matplotlib** python libraries.
* Worked with **Python** to create scalable and robust common components which can be used across the application development.
* Developed ETL tool using python and Pyspark.
* Experienced using Python ETL packages like **petl** to extract the data from client, transfer and load into RDS
* Worked on **python** scripts to parse **JSON/XML** documents and load the data in database.
* Performed Design, involved in code reviews and wrote **unit tests** in **Python**.
* Extensively used **Python / Django** Framework for developing backend of web applications
* Knowledge of **ORM** mapping using **SQLACHEMY**.
* Experience with data migration from **MySQL** to **PostgreSQL.**
* Good Experience in **Linux Bash scripting** and following **PEP** Guidelines in **Python.**
* Performed mapping of **JSON/XML** formatted data with relational databases like **MySQL, PostgreSQL, SQLite.**
* Documented company **Restful** API’s using **Swagger** for internal and third part use.
* Experienced in monitoring, developing and transforming data using **SQL** **Server Integration Service (SSIS)** and **SQL Server Analysis Service (SSAS)**.
* Profound knowledge in Test plans, Test Cases, Test Scripts and experience in Functional Services Testing, GUI Testing, Back-end Testing using **SQL**, DB2, Browser Compatibility Testing, Web Services Testing, System Testing.
* Good Knowledge of web services using **SOAP** and **REST** protocols.
* Experience working in **Test-driven development (TDD) and Agile/Scrum Methodologies.**
* Experience working with pyspark to fetch and analyse the data
* Developed automated processes that run daily to check disk usage and perform clean-up of file systems on **UNIX** environments using **shell scripting** and **CRON**.
* Proficiency in **Object Oriented Programming (OOP)** concepts.
* Hands on experience in using version control systems like **Git, GitHub, Gulab and SVN.**
* Experienced in designing and developing performance focused scalable complex data pipelines.
* Experience web-based project management and issue tracking tools like **Redmine**
* Proficient in using internal tools in **Pycharm, Brackets, PyDev, Netbeans** and **Eclipse** for debugging and worked with **Sublime Text 2, Vim Editors** for coding.
* Excellent skills in resolving hardware and software issues, malware removal, data recovery, disk management and installations of operating systems.

**EDUCATION:**

* **NORTHWESTERN POLYTECHNIC UNIVERSITY**, California, USA
* Master’s in electrical and Electronics Engineering Science, 07/2014
* **UNIVERSITY OF WALES, London,** United Kingdom
* Master’s in Business Administration, 03/2013
* **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**, Hyderabad, Telangana, India
* Bachelors in Electronics and Communication Engineering, 05/2009

**EMPLOYMENT SUMMARY:**

**T-Mobile, Atlanta, Ga, USA Feb 2019 - Present**

**Role: Design, Development and Data Engineer**

**Responsibilities:**

* Designed, developed and Implemented **microservices** using **Flask framework** and integrated it with 3rd party **APIs** in the application
* Python programming and processing JSON, XML and CSV files
* Developing dynamic web pages, monitoring and notification tools, Front end applications using Python, Django Frameworks.
* Used data structures like directories, tuples, object-oriented class based inheritance features for making complex algorithms of networks.
* Build database Model, APIs and Views utilizing python, to build an interactive web based solution.
* Develop and test features for dashboard using Python, Bootstrap, CSS, JavaScript and jQuery.
* Managed datasets using Panda data frames and MySQL, queried MYSQL database queries from python using Python-MySQL connector and MySQL dB package to retrieve information.
* Designing email marketing campaigns and create responsive web forms that saved data into a database using Python/ Django Framework.
* Approach development with an agile mindset, strong advocate of scrum implementation.
* Unit testing of the fixes and enhancements.
* Implemented client-side changes for Rejected product reviews and logging events using Visual Studios.
* End to end software development in a combination of the following: architecture and design, user interface, database systems, analysis, cognitive systems.
* Implemented API validations to increase the security and performance of the application.
* Exposed **REST APIs** using Flask framework and **swagger** for API documentation.
* Involved in optimizing **budget UI** pages by optimizing the components (**AngularJS**) code and code reviews.
* Optimized the budget email notification system by optimizing business logic in **python**.
* Created **MongoDB** pipelines to increase the performance of the budgetapplication.
* Implemented business logic using **python** and performed testing using **pyunit** and **unittest** modules.
* Leverage the devops team to ensure product can be automatically built, deploy, and test using a **ci/cd** pipelines across all of the release cycles from dev to production.
* Made design recommendations towards the development of new code and reuse of existing code
* Good understanding of overall web design including basic functionality, accessibility, industry standards, architecture, and navigation.
* Strong knowledge of modern web technologies, best practices, and load speed optimization techniques.
* Responsible for development and management of automated tests and ci/cd scripts and provide high coverage of all the key positive and negative uses that customer need to ensure no regression occurs from release to release.
* Good at communicating and explaining business requirements and business logic to peers

**Environment:** Python 3.6.2,REST, Flask, HTML5, CSS, Bootstrap, JavaScript, Angular7, UNIX, MVC architecture, AWS EC2, GitHub, JSON, MongoDB, Restful API, Docker, Kubernetes.

**Centene, St.Louis, MO, USA May 2018 – Mar 2019**

**Role: Sr. Application Developer**

**Responsibilities:**

* Responsible for integrating existing applications with GraphQL layer to improve the performance of the application.
* Exposed REST APIs using Express JS and nodejs.
* Responsible for analysing various cross-functional, multi-platform applications systems enforcing **Python** best practices and provide guidance in making long term architectural design decisions.
* Utilized **HTTPLib2, Urllib2, Beautiful Soup libraries** for data scraping **and Numpy, petl, Json, Pickle, Pandas, Scipy** and **Matplotlib** for data storage and plotting.
* Implemented business logic using **python** and performed testing using **pyunit** and **unittest** modules.
* Extracted the data from **CSV, Excel, Json** files and transferred it into the MySQL database using python **Pandas, pyetl, numpy, pymysqldb** libraries**.**
* Implemented user Authentication using **CAS/OAUTH2** and integrated into **Django.**
* Implemented and enhanced **CRUD** operations for the applications using the **MVC** architecture of **Django** Restful framework and conducted code reviews.
* Coded model level validation using **Python** programming with emphasis in **web security**.
* Developed views and templates in **Django** to create a user-friendly website interface.
* Experience in code transition from python2.7.11 to python3.6.
* Utilized Django ORM to perform CRUD operations on MYSQL db
* Developed web services using **Restful** technology to support **JSON** and **XML**.
* Performed **CRUD** operations on **MySQL**/**PosgreSQL** database in AWS.
* Deployed the project into **Docker** and **GitHub** as version control system.
* Experienced using **JIRA** for bug tracking and tickets.
* Worked on cloud computing infrastructure (Amazon web services **EC2**) and considerations for scalable, distributed systems.
* Worked with IAM to manage the users and groups using IAM by assigning individual policies and roles to each users and group as per requirements.
* Configured Jenkins with GITLAB/SVN for build automation and build deployment on Local, Staging and production servers using **Docker**
* Configured environment variables in **Docker** compose file and managed docker containers.
* Experience using Version control, continuous integration and deployment tools like **GITLAB, Jenkins, Docker**.
* Experienced in manging and using **JIRA** for bug tracking and tickets and excellent understanding **Agile and Scrum** development methodology.

**Environment:** Python 3.6.2, ExpressJS, NodeJS, GraphQL, Django 1.11, HTML5, CSS, Bootstrap, JavaScript, JQuery, AngularJS UNIX, MVC architecture, AWS EC2, GitHub, JSON, MYSQL, PostgreSQL, Restful API, Docker.

**Nationwide, Desmoines, IA, USA Jun 2017 – May 2018**

**Role: Sr. Application Developer**

**Responsibilities:**

* Handled Business logics by backend **Python** programming to achieve optimal results.
* Used interactive data binding, filters and animation events using **AngularJS.**
* Worked with **HTTPLib2, Urllib2, Beautiful Soup, numpy, scrapy, petl, json, Pickle, Pandas, Scipy, pyspark** and **Matplotlib** python libraries.
* Implemented **jQuery** to improve the overall usability of the website interface and **AJAX** functionality to speed up web application.
* Coded model level validation using **Python** programming with emphasis in **web security**.
* Worked with **Python** ETL packages like petl to extract the data from client, transfer and load into **MongoDB**.
* Developed views and templates in **Django** to create a user-friendly website interface.
* Configured **Django** to manage URLs and application parameters.
* Extensively used **Python / Django** Framework for developing backend of web applications.
* Used **Django** ORM for database access.
* Developed web services using **Restful** technology to support **JSON** and **XML**.
* Performed CRUD operations on **MongoDB**.
* Worked with pyspark to fetch and analyse the data.
* Developed **UI pages** using **HTML, Java script**. Angular.
* Implemented **AJAX** to update necessary section of webpages and hence, avoiding the need for reloading the entire web page.
* Developed and tested many features in an **Agile** environment using **Python, Django**, **HTML5**, **CSS, JavaScript**, **Bootstrap** and **Rspec**.
* Creating and configuring virtual development environments with **Chef** and Virtual Box.
* Deployed the project into **Heroku** and used **GitHub** version control system.
* Managed code with **unit tests** and **GitHub**.
* Used **GIT** as Source control repositories with regular code reviews and pull/merge requests.
* Involved in writing **Rake** tasks for updating database.
* Utilized Redmine for web-based project management and issue tracking tools Implemented **LDAP** authentication using devise to integrate with an in-place **web seal/TAM** infrastructure.
* Implemented and enhanced **CRUD** operations for the applications using the **MVC** architecture of **Django** framework and conducted code reviews.

**Environment:** Python 3.4, Django 1.7, HTML5, CSS, Bootstrap, JavaScript, angular, UNIX, MVC architecture, AWS EC2, GitHub, Chef, JSON, XML, MongoDB, Heroku, Restful API.

**CITI Bank, Irving, USA Jul 2014 –May 2017**

**Role: Python Developer**

**Responsibilities:**

* Worked on server-side applications with **Django** using **Python** programming
* Developed and tested many features for dashboard, created using **Bootstrap, CSS and JavaScript.**
* Developed data validation & Data access components using **Servlets**.
* Used python libraries like **Beautiful Soup** and **matplotlib**.
* Used **Pandas** for a data alignment and data manipulation.
* Utilized standard Python modules such as **csv, robotparser, itertools and pickle** for development.
* Worked on **Python** OpenStack APIs and used **Numpy** for Numerical analysis.
* Used **Ajax** and **JQuery** for transmitting **JSON** data objects between frontend and controllers.
* Developed **Wrapper** in Python for instantiating multi-threaded application.
* Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.
* Managed datasets using **Pandas** data frames and **MySQL**.
* Developed **Restful** API’s using Python **Flask** and SQLAlchemy data models as well as ensured code quality by writing unit tests using Pytest
* Developed various algorithms for generating several data patterns.
* Developed test cases and performed unit test using **JUnit** Framework.
* Used **JIRA** for bug tracking and issue tracking.
* Added several options to the application to choose particular algorithm for data and address generation.
* Used **Agile** Methodology and **SCRUM** Process.
* Maintained the versions using **GIT** and sending the release notes for each release.

**Environment**: Python 2.7, Django 1.4, CSS, HTML, Bootstrap, JavaScript, AJAX, jQuery, Pandas, MYSQL, Restful API’s, Linux, SCRUM, Agile, Heroku, JIRA, GIT.

**VIRTU Tech, HYD, INDIA Sep 2011 –May 2012**

**Role: Python Developer**

* + - * Designed the architecture diagram of Beats Audio Precision software and test the functionality of each software component.
* Utilized Tkinter python module to develop the GUI on top of the commands so that current user no longer must add values and streamline the process.
* Performed Fourier Transform, Fast Fourier Transform, Wavelet Transform, and smoothening on audio signals using Python numpy, scipy, waveread, wavewrite, and pandas libraries.
  + - * Prepared technical reports by summarizing the unit test result obtained after running unit tests
      * Prepared unit test plan to test the python code; perform regression testing
      * Analysed Python program(s) that may be the cause of the problem and identify the root cause.
      * Gathered Frequency Response of different microphones and plot and analyze the data using

Matlab and Python.

* + - * Ensures the performance of the application on Mobile and desktop is up to mark.