**Sony Kiran Devarapalli**

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**Professional Summary:**

* Around 9+ years of experience in various web, stand-alone, client-server enterprise applications using **Python, Django, Flask, Pyramid, Pyspark.**
* Experienced in developing User Interface using **HTML5, Angular JS, Bootstrap, CSS, JavaScript, AJAX**
* Experience with full software development lifecycle, database design and **Agile methodologies**.
* Experience working with various Python IDE’s like **PyCharm, Eclipse, Spyder and NetBeans**
* Proficient with both Python scripting and experience in developing web-based applications using **Python, Django**
* Experience working with a backend framework such as Django &**NodeJs**
* Proficiency with Python libraries **PySpark, Pytest, Pymongo, cxOracle, PyExcel, Boto3, Psycopg, embedPy, NumPy, and Beautiful Soup.**
* Experience building Node applications &**REST APIs**
* Worked on **MySQL** for database connectivity
* Experienced in using **Agile, Waterfall** and **Scrum Methodologies** stories in a python-based environment.
* Implemented Kafka producer and consumer applications on Kafka cluster setup with help of Zookeeper
* Identified improvements to enhance CI/CD Developed framework for converting existing PowerCenter mappings
* Have knowledge of relational databases like **Oracle SQL**, and MySQL.
* Good knowledge on NoSQL databases like **Cassandra, MongoDB**.
* Experience in writing SQL, Sub Queries, Stored Procedures, Triggers, Cursors and Functions.
* Knowledge in Model View Controller (MVC) frameworks like **Django, Angular JS, Java Script, JQuery**.
* Experienced in web applications development using Django/Python, Flask/Python, Angular.js, JQuery while using HTML/CSS/JS for server-side rendered applications
* Good knowledge of **TCP/IP, UDP, HTTP, HTTPS, SSH,** and **SSL** protocols.
* Experience at version control systems like **Git** and **CVS**, Migrated reports from CVS to **GitHub**.
* Experience in working with different operating systems like **LINUX**, and WINDOWS.
* Have experience in list comprehensions and python inbuilt functions such as **Map, Filter,** and **Lambda**.
* Experience using **Amazon Web Services (AWS)** like AWS **Lambda, S3**.
* Excellent Experience and knowledge in using **SOAP**, and **REST** web Service forsoftware applications.
* Hands on experience with bug tracking tools **JIRA** and **Bugzilla**.
* Performed code reviews and implemented best Python programming practices.Designed and implemented Hive using Python for evaluation, filtering and storing of data.
* Knowledge of deployment tools using **Jenkins, Pylint**.
* Good experience in handling errors/exceptions and debugging the issues in large scale applications.
* Experience on cloud platforms like **GCP, Azure**
* Skilled in utilizing GenAI's advanced capabilities in natural language processing, computer vision, and machine learning.
* Work focused on owning a data source and developing ETL solutions for the source using PySpark.
* Hands-on experience with Microsoft Azure cloud services, including Azure Machine Learning, Azure Cognitive Services, and Azure Data Lake.
* Leveraged Azure's suite of tools to streamline development workflows and accelerate time-to-market for AI-powered solutions.
* Experience hosting applications using **Docker** Containers

**Technical Skills:**

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| **Languages** | Python, C, C++, Shell Script, Java, PHP |
| **VersionControls** | GIT, GitHub, CVS |
| **Web Technologies** | JavaScript, HTML5, CSS3, AngularJS, CSS3, JavaScript, JQuery, AJAX |
| **ESB/Webservices Tools** | Mule ESB 3.4/3.5.2/3.6/3.7.x, APIGEE Edge Management |
| **Frameworks** | Django, Flask, Pyramid |
| **WebServices** | Tomcat, Soap, Restful |
| **BigdataTechnologies** | Predictive Analytics, Hive, Spark, Pyspark |
| **Cloud** | AWS, Microsoft Azure |
| **Databases** | PostgreSQL, MySQL, Oracle, MS Access, SQL Server |
| **Python Libraries** | NumPy, Pandas, Beautiful Soup, SciPy, Matplotlib |
| **Analytical Tools** | SAS, Tableau |
| **Methodologies** | Agile, Scrum, Waterfall |
| **NoSQLDatabases** | Mongo DB, Cassandra |
| **Operating Systems** | Linux, Windows |
| **Protocols** | TCP/IP, HTTP/HTTPS, SMTP |

**Education:**

* **Bachelor of Technology in Mechanical Engineering, May 2016, India.**

**Work Experience:**

**Infocrossing. Dallas, TX. Nov 2023 -Till date**

**Python Developer**

**Plano, Texas**

* Giving support with different technical aspects and skilled up while handling complex technical issues.
* Worked on object oriented programming (OOP) concepts using Python, created PyUnit test cases for unit testing.
* Developed Merge jobs in Python in order to extract and load data into PostgreSQL database and used Test driven approach for developing applications
* Play around the SQL, Snowflake queries to fetch the data as per requirement.
* Worked extensively on Datadog and Newrelic.
* Worked in Amazon Web Services (AWS) Cloud services such as EC2, EBS, S3, VPC, and Elastic Load Balancer.
* Used Lambda function for Infrastructure automation.
* Setup database in AWS using RDS and configuring backups for S3 bucket.
* Worked on Amazon EC2 Clusters to deploy files into Buckets.
* Extensive Experience in AWS services and technologies like AppSync, S3, Lambda, ECS, Fargate, DynamoDb, Cloudwatch, code pipeline, EKS, etc
* Deployed and tested different modules in Docker containers and GIT. Implemented programming automations using Jenkins and Ansible on Unix/Linux based OS over cloud like Docker.
* Building/Maintaining Docker container clusters managed by Kubernetes, Linux, Bash, GIT, Docker, on GCP . Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test deploy
* Created AWS Security Groups for deploying and configuring AWS EC2 instances
* Worked with Docker components like creating Docker images compose Docker registry and handling multiple images primarily for middleware installations and configurations
* Used AWS for application deployment and configuration. Responsible for setting up REST APIs.
* Collaborated with Multiple teams and onboarded new rule for Jira Automation.
* Supported the development of BI portal using SQL
* Created Pyspark frame to bring data from DB2 to Amazon S3 and Provide guidance to development team working on PySpark as ETL platform

**Environment:** Python, Sql, BI, Jira, Jenkins, CI/CD, AWS, PostgressSQL, Snowflake, Flask, HTML, CSS, JavaScript, Json, Docker, Linux, Gcp, PySpark, Kubernetes,S3,EC2,

**JP Morgan Chase Bank, Dallas, Texas Feb 2023 – Nov 2023**

**Python Data Engineer**

**Responsibilities**

* Involved in analysis, specification, design, and implementation and testing phases of Software Development Life Cycle (SDLC) and used agile methodology for developing the application.
* Developed views and templates with Django's MVT (model, view, and template) to create a user-friendly website
* Built database Model, Views and API's using Python for interactive web-based solutions.
* Placed data into JSON files using Python to test Django websites.
* Used Python scripts to update the content in database and manipulate files.
* Developed web-based application using Django framework with python concepts.
* Design and Develop cloud **AWS API** gateway and lambda functions for developing Rest API using python
* Generated Python Django forms to maintain the records
* Used Django API's to access the database.
* Wrote Python modules to view and connect the Apache Cassandra instance.
* Developed efficient Angular.js for client web-based application.
* Responsible for designing, developing, testing, deploying and maintaining the web application.
* Designed and developed the UI for the website **with HTML, XHTML, CSS, Java Script and AJAX.**
* Involved in working with Python open stock API's, spark, pyspark.
* Develop applications that use **MongoDB database, and pymongo.**
* Wrote Python code embedded with JSON and XML to produce HTTP GET request, parsing HTML data from websites.
* Configured and maintained Jenkins to implement the CI/CD process and integrated the tool with Ant and Maven to schedule the builds
* Worked with cloud implementations and integrating AWS cloud services for the migration of legacy environments
* Supported the development of BI portal using SQL
* Responsible for managing large databases using MySQL.
* Wrote and executed various MySQL database queries from Python-MySQL connector and MySQL db. package.
* Developed RESTful web services for Catalog and Pricing with Django MVT, MySQL, and MongoDB
* Used the Python's modules NumPy, matplotlib, etc. for generating graphical data, creation of histograms etc.
* Involved in debugging and troubleshooting issues and fixed bugs in two of the main applications which are main source of data for customers and internal customer service team.
* Implemented **SOAP/RESTful web services** in JSON format.
* Created Git repository and added the project to GitHub.
* Involved in debugging the applications monitored on JIRA using agile methodology.
* Experience in using containers like Docker.

**Environment:** Python, Django, Spark, Pyspark, Git, Python oops, AWS, Linux, Postgres, HTML5, CSS3, Angular 2.0, MongoDB JavaScript, Ajax, Soap/restful, Cassandra, Docker, Jira, CI/CD, GIT and python libraries such as NumPy, Matplotlib, pandas.

Reference: Manidar Jilla. Manager, JP Morgan Chase Bank, [manidar.jilla.in@gmail.com](mailto:manidar.jilla.in@gmail.com)

**Capgemini, Bangalore, India May 2021– July 2022**

**Python Developer**

**Responsibilities**

* Involved in Developing a Restful service using Python on Django framework.
* Worked on Flask, Pyramid and Django frameworks.
* Developed entire frontend and backend modules using Python on Django Web Framework with GIT
* Worked on packages like socket, REST API, Django.
* Wrote REST APIs, as part of developing web-based applications for insurance premium calculations, using Django's REST framework.
* Involved in developing AWS automation tool using AWS SDK Boto3
* Worked with AWS S3 service for storage.
* Used Elastic Bean stalk service to Deploy the product in AWS
* Wrote ANSIBLE Playbooks with Python, SSH as the Wrapper to Manage Configurations of AWS Nodes and Test Playbooks on AWS instances using Python. Run Ansible Scripts to provision Dev servers.
* Design and develop APIs that access AWS services or other web services, as well as data stored in the cloud AWS NOSQL database.
* Developed Object relational mappings for interacting with MYSQL Database
* Experience in using collections in Python for manipulating and looping through different user-defined objects.
* Utilized PyUnit, the Python unit test framework, for all Python applications.
* Perform Jenkins administration, updating plugins, setting up new projects and debugging build problems.
* Experienced in hand coding HTML5, CSS3, JavaScript, and other UI technologies.
* Developed the entire project using PostgreSQL. Migrating from other databases to PostgreSQL.
* Design and implemented custom Bash scripts for controlling the data flow from the PostgreSQL database.
* Expertise in developing web-based open stack applications using Python and Django for large dataset analysis.
* Front-end web development using HTML/CSS, JQuery, bootstrap as well as back-end development using SQL.
* Used Test driven approach for developing the application and implemented the unit tests using Python Unit test framework.
* Worked on Atlassian tools like Bamboo, Jira, and Confluence.
* Created Branches, Labels and performed Merges in Stash and GIT.
* Administering Code Repositories in SVN and Bit bucket.
* Involved in the complete Software Development Life Cycle (SDLC) to develop the application.
* Followed AGILE development methodology to develop the application.
* Used Test driven approach for developing services required for the application.
* Risk analysis for potential points of failure (database, communication points, and file system errors).
* PowerShell scripting, automation management for mass deployments/changesand application deployment through PowerShell/One Click
* Dealing with client regarding the requirements of the projects and taking care of production issues and bugs.
* Actively worked as a part of a team with managers and other staff to meet the goals of the project in the stipulated time.

**Environment:** Python, Django, Flask, AWS, NoSQL, MySQL, Git, Python oops, Linux, Postgres, HTML5, CSS3, Angular 2.0, PostgreSQL, Bamboo, Jira, Confluence, GIT and python libraries such as NumPy, Matplotlib, pandas.

Reference: Manish Bunkar, Manager, Capgemini, [manishbunkar@gmail.com](mailto:manishbunkar@gmail.com)

**Capgemini, Bangalore, India June 2018 – May 2021**

**Python Developer**

**Responsibilities**

* 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.
* Build all database mapping classes using FLASK models.
* Involved in building database Model, APIs and Views utilizing Python to build an interactive web-based solution.
* Created Test plans. Worked on SQL scripts to load data in the tables.
* Connected continuous integration system with GIT version control repository and continually build as the check-in's come from the developer.
* Supported the development of BI portal using SQL.
* Developed entire frontend and backend modules using Python on FLASK Framework.
* Developed custom screens using HTML5, JavaScript, jQuery, Bootstrap, Jinja and Angular.js.
* Developed monitoring and notification tools using Python.
* Reviewed product requirement documents, functional specifications, and involved in developing test strategy, test plan and test case documents.
* Created Selenium web-driver automation scripts using Python to validate functionality on various browsers.
* Very good understanding of Microsoft Azure cloud platform. Experience with managing cloud delivery platforms, Azure/Aws.
* Established framework to setup Continuous Integration environment using Jenkins, Nexus.
* Used Couchbase Python SDK to build applications that use Couchbase Server.
* Involved in developing selenium automation framework using TestNG. Developed Maven targets to execute automation suites from command line.
* Worked on AWS Cloud and Created instances in EC2.
* Participated in weekly release meetings with Technology stakeholders to identify and migrate potential risks associated with the releases.
* Imported and managed multiple corporate applications into Subversion (SVN)Involved in analysis, specification, design, and implementation and testing phases of Software Development Life Cycle **(SDLC)** and used agile methodology for developing the application.

**Environment:** Python, Django, Git, Python oops, Flask, SQL,Linux, Postgres, JavaScript, jQuery, Bootstrap, Jinja, Angular.js, Jenkins, Nexus, HTML5, CSS3, Angular 2.0, PostgreSQL, NumPy, pandas.

Reference: Manish Bunkar, Manager, Capgemini. [manishbunkar@gmail.com](mailto:manishbunkar@gmail.com)

**Karvy Stock Broking, Hyderabad, India Aug 2016 - June 2018**

**Jr. Python Developer**

**Responsibilities:**

* Application was based on Service Oriented Architecture and used Python 2. 7,2. 5, DJango 1. 5, JSF2, Spring2, Ajax, Html, CSS for the frontend.
* Upgraded existing UI with HTML, CSS, JQuery, and Bootstrap.
* Designed and developed data management system using MySQL. Built application logic using Python 2.6.
* Used Django APIs for database access.
* Developed RESTful services using Django.
* Designed and developed communication between client and server using Secured Web services.
* Developed and tested many features for a dashboard using Python, Java, Bootstrap, CSS, JavaScript, and JQuery.
* Wrote python scripts using pandas dataframe to get data from two different databases and applied joins.
* Created responsive web forms that saved data into a database using python/ django framework.
* Parse JSON and XML data using Python.
* Used python panda’s library to create data frames.
* Used ajax and jquery for transmitting json data objects between frontend and controllers
* Participated in the complete SDLC process which involves Agile Methodologies and SCRUM Process.
* Responsible for debugging and troubleshooting the web application.

**Environment:** Python, Django, Git, Linux, Postgres, HTML5, CSS3, Angular 2.0, PostgreSQL, and python libraries such as NumPy, Matplotlib, pandas.

Reference: Bhargav Kumar, Tech Lead, Karvy, [bbhargav26@gmail.com](mailto:bbhargav26@gmail.com)