

Abhishek Kumar
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Career objective:

To work in a global competitive environment on challenging assignments that shall yield the benefits of job satisfaction & fast-paced career prospects.

Professional summary:

- Having 4.7 **plus years** of experience in Software Development with good experience in developing web-based applications **Django**, **Flask** in Python; databases as **PostgreSQL** and **HBase**; developing **REST APIs** and **machine learning algorithms** and Data Science activities.
- Good in communication, self-starter, proactively takes work and comfortable in high intensity and challenging work environment.
- Strongly initiative taker, willing to learn new technologies and never say no attitude.

Professional Experience:

Working as **Software Engineer** for **maplelabs.com**, **Bangalore** from **September 2019** till **now**.

Worked as **Application Development Analyst** for **Accenture**, **Bangalore** from **Nov 2015** till **September 2019**.

Technical skills:

Primary Skills	: Python 3
Secondary Skills	: REST API, Django, R-language, RPlumber, Flask, NLP, ML, HTML, Javascript, CSS, Webscraping, ReactJS
SQL database	: PostgreSQL
NoSQL database	: Hbase, Elastic search
Web Servers	: Nginx
Operating Systems	: Linux
Development Tools Used	: PyCharm, Docker, RStudio, GIT
Machine learning Algorithm	: Random Forest Regressor and Classifier, K-Means, KNN, SVM, Decision Trees, Linear and logistic regression, Spacy, SMOTE

Project Profile #6:

Name of the project	: Data Capital Management Webservice
Client	: Data Capital Management (US based)
Technologies	: Python, S3, SQS, Redis, Redis cache, EFS, Flask

Project Description: The project involved converting the standalone architecture to a microservice architecture using python and AWS services. The client's domain was Investment strategy.

Responsibilities:

- Understanding the requirements for the current business problem and applying the architectural decisions made with the client in the design phase.
- Developed the architecture end-to-end using the system design principles along with Redis cache at the client side as well as on the server side.
- Worked over the decision making of the bottle necks faced during the development phase using multiprocessing, pickling of data, and exposing the services using REST APIs.

Project Profile #5:

Name of the project	: Service Delivery Platform
Client	: Cisco
Technologies	: Python

Project Description: The project involved creating scripts for monitoring and validating the services such as kubernetes.

Responsibilities:

- Understanding the requirements for the current business problems and applying it via Python and creating event in the Service Now.

- Developed the kubernetes cluster for cron job.
- Built elastic search queries for the user stories.

Project Profile #4:

Name of the project	: Data Science Labs
Client	: Ericsson
Technologies	: Django, Python, Jupyter notebook, Docker, R-language, RPlumber, Pandas library, scikit learn

Project Description: The project involved working with the data scientists and building scalable applications.

Responsibilities:

- Understanding the requirements for the current business problems and applying it via Python and R and deploying it as an API with the help of Django and RPlumber in Docker.
- Creating the mock unit test frameworks in python as a part of TDD.
- Applied Random forest classifier on one use case which involved classifying customers as SOR or Non-SOR.
- Worked on time-series analysis using R library for finding the anomalies and deploying with RPlumber.

Project Profile #3:

Name of the project	: IDAG (GDPR as a Service)
Client	: Accenture Internal Project
Technologies	: Django, Python, Jupyter notebook, Docker, Pyspark, Swagger
Libraries used	: Scikit-learn, pandas
NoSQL database	: HBase

Project Description:

The project involved creating the product GDPR as a service which involved data engineering and exposing it via REST APIs.

Responsibilities:

- Worked on Pyspark for data engineering work.
- Building REST APIs via Django rest framework and documenting it via swagger.
- Applied SMOTE, K-Means clustering and Random Forest Regressor and Classifier to the business use case in finding anomalies and for recommending values.

Project Profile #2:

Name of the project	: DIS
Client	: Accenture Internal Project
Technologies	: Python, Flask, REST API, HBase, scikit-learn, pandas, Docker

Project Description:

Data Intelligent Suite (DIS) is a tool based on flask framework which is used by data scientists for the ease of use of finding anomalies. The services were exposed as a REST API service.

Responsibilities:

- Developing the flask framework and was involved in the development of applied machine learning algorithms - One-SVM, Random Forest, LOF, ISO-Forest for anomaly detection.
- Worked on statistical methods – IQR, MOD-Z.
- Worked on spacy for NER tagging and NLTK for pre-processing and building models to recognize the keywords with data extracted from pdf as a source.
- Deploying the solution made, in Docker.
- Created an automation script for CRUD operation and simplifying the work of HBase for other developers and non-developers.
- Responsible for adding the new functionalities to the application.

Project Profile #1:

Name of the project	: GDSS
Client	: NBN Co
Technologies	: Flask, Python, PostgreSQL, REST API, AWS

Project Description:

The project involves implementing the use of RabbitMQ, AWS and Flask web framework for processing of the huge files and celery is used for implementing the scheduling of the various process. The RabbitMQ server is linked with Apache server and it is hosted on AWS along with the Postgres Database. All servers were hosted on AWS servers.

Responsibilities:

- Developing the functionalities and integrating the business logic in the flask in python along with the creation of REST API.

- Writing unit test cases.

Qualification: B.E. from Dayananda Sagar College of Engineering, Bangalore, graduated in 2015.

Personal Details:

Father's Name	: Anand Kumar Prasad
Date of Birth	: 11 th August 1992
Languages Known	: English, Hindi
Notice Period	: 2 months