PRIYATAM KUMAR NAYAK

+**6598007894||** [**priyatamnayak.s@gmail.com||Singapore||B.TECH**](mailto:priyatamnayak.s@gmail.com||Singapore||B.TECH) **in Computer Engineering**

**Professional Summary** :

Results - oriented Software Engineer with 9.6 years' experience in Analysis, Design, Development, Testing, and Implementation of various internet-based applications.  
Experience object oriented programming (OOP) concepts using Python,Golang,C++  
Excellent knowledge of distributed system  
Implemented locking mechanisms using multithreading functionality.  
Experience in working with AWS(Amazon Web Services) and PCF cloud platform. Creation of complex data pipelines for Data science Team and Business Data analysis team. Creation of ML models using time series for products rate Forecasting  
Experience in using Design Patterns such as MVC and frameworks such as Django, Flask.  
Proficient in SQL databases MySQL, PostgreSQL, Oracle ,MongoDB and Unix,Autosys  
Experience with Requests, Numpy, Scipy, Matplotlib, and Pandas python libraries during development lifecycle  
Experience in creating initial website prototype from Django skeleton and building out Views, Templates using CSS for whole site following Django MVC architecture.  
Deep understanding of HTTP methods, RESTful architecture.  
Proficient in Strongly follow PEP-8 coding standard and test a program by running it across test cases to ensure validity and effectiveness of code using PyChecker and PyLint.  
Involved in Unit testing and Integration testing of the code using PyTest, UnitTest

Career Objective:

To excel in the chosen field by working in a value-driven environment so that my conceptual, technical and analytic skills are fully leveraged, and, in the process, I become a value creator for my organization.

Technical Proficiency:

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| Languages | Python,Django,Flask,Dash,Tensorflow,sklearn,keras,plotly,Ternado,Pandas,Numpy,Perl,R,Golang, Unix Shell Scripting ,ML,AI,Chatbots,NLP, Angular(learning),Unix, Hadoop,Bigdata,Hive,Reduce++,Html,JavaScript,RabbitMq,Qpid,Celery,PySpark |
| Software Tools | Autosys, TIDAL, MS Office ,Jira,Jenkin,Git,Svn,Hermes,Tableu,Tableu server, Presto,Superset,Docker,Alluxio , CDSW,PCF(pivotal Cloud), Cloudera Hadoop,S3 bucket, Apache Flume, Kafka Streaming, Spark, AWS,MLFLOW |
| Databases | MySQL, Oracle, Mongo DB |
| Domain Expertise | Good exposure to Banking and Financial Services domains. |

**Professional Experience:**

* Working in **DBS in Middle Office Technology Team** from Oct 2018 till the date
* **Python developer in Lazada (Contract, Singapore)** from Apr 2018 Sept 2018
* **Senior Python Developer** in **JP Morgan, Bangalore** from July 2017 till Mar 2018.
* **Tech Lead** in **Tech Mahindra**, **Bangalore** from April 2016 to May 2017.
* **Senior Software Engineer** in **HCL, Bangalore** from July 2014 to April 2016
* **System Engineer** in TCS, **Bangalore** from March 2011 to July 2014.

1. GFTA(Group Finance Technology Analytics)

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| **Project Domain** | Finance |
| **Organization** | DBS |
| **Technologies/ Tool** | Python,Golang,R,Pandas, Sklearn, Django, Flask, ML, NLP, AI, Unix Shell, Java script,html,node js, SqlAlchemy ,Celery,Redis,RabbitMQ,jenkin,rest frame work,Vba macro script, Docker,Angular (learning),Git, Tableau server and desktop, Apache Flume, Kafka Streaming, Spark, AWS lambda EC2,AWS sagemaker,Presto, Superset |

Roles and Responsibilities:

* Working in Middle Office Technology team as Senior Full stack python developer and Data Engineer
* Created different apps using python Django, Fastapi, Falcon, Flask framework for data manipulation ,complex calculation
* Created different finance calculation api using python or golang as back end
* Used linear programing to reduce the RWA
* Create RWA calc Api using Golang where our user looking for performance instead of using python as backend
* Created long running and scalable batch jobs using python fastapi, celery, redis, nginx, gunicorn
* Also have done some automation type project using python as backend and java script as frontend
* Created and Deployed monitoring/control tool for models using Django, celery, redis
* Developed complex data pipelines using Cloudera Science work bench(CDSW) and spark jobs
* Analyzed data using different tools and do some transformation using pyspark jobs and storing into the bucket for ML work
* Deployed many data science models using flask ,fastapi and dash
* Created some data science models using PCA
* Created and deployed one chatbot using TensorFlow
* Working on Some NLP stuff
* Created some complex model for data analysis using python script
* Working as junior Machine Learning Engineer.
* Creation some reports using python script and finance data
* Set up the docker environment to create the containers for app
* Set up tableau server for to publish the tableau desktop dashboards and workbooks
* Set up presto server to run query for data analysis from hive .
* Working as Architect for Tableau Sever, Presto , Hadoop and open source data science tools like MLFLOW,SUPERSET,JUPYTERHUB

1. Midas Reconciliation

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| **Project Domain** | Finance |
| **Organization** | Lazada |
| **Technologies/ Tool** | Python, Pandas,Django,Flask,Unix Shell ,java script,html,node js,SqlAlchemy ,Celery,Redis,RabbitMQ,jenkin,Rest frame work |

Roles and Responsibilities:

* Working as a Senior python Full Stack developer (Consultant)
* Created web interface using Django for web-based report generation.
* Worked with SDLC process, from requirements analysis, architecture design
* Designed and implemented UI, user module interface, and other core functions
* This is purely individual contributor type project
* I am collecting requirement from finance team and developing tool which is doing the reconciliation and send the result to sap
* Implementing celery and Redis to make it more scalable.
* Used oss2 module for file storing and extracting

3.Finance Forecasting

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| **Project Domain** | Banking |
| **Organization** | JP Morgan |
| **Technologies/ Tool** | Python, Pandas,Django,Unix,Aws,Gaya,scripting,R,Tableu,Cube,Spark,Java,  Qpid,IBM Cbb, SqlAlchemy, Spark, AWS,R |

Roles and Responsibilities:

* Worked as a Senior python developer and Spark developer
* Followed Agile Development methodology to develop and add new features to the existing application
* Making the application more stable and adding new features to the existing application
* Implementation of new python modules for new addition features
* Removal of legacy code, old design and implementation of new design
* Creation of data pipeline using pyspark
* Analysis of data using R
* Creation of API using Django and Flask
* Added new features to gain more scalability
* Solution design and interface definitions in collaboration with architects and external teams
* Worked with incident management, problem management, change management for onboarding applications
* Technical mentorship, guidance, and coaching of a small agile team
* Solution design and interface definitions in collaboration with architects and external teams
* Architecture alignment, standards compliance, and process improvement initiatives
* End-to-end responsibilities of the development of several enterprise sub-systems throughout the SDLC

4.H3G (Hutchison)

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| **Project Domain** | Telecom |
| **Organization** | Tech Mahindra |
| **Technologies/ Tool** | Python, C++, Perl, Unix Shell Scripting, R, Ant, Tertio, Numeric Track, Aws |

Roles and Responsibilities:

* Involve in identifying the opportunity for Automation and interacting with stake holders on various levels of software lifecycle phases from design to handover.
* Creation of Django and Flask Api
* Creating Python scripts for automation
* It involved analysis, design, development, maintenance, testing, and documentation
* Creation of different reports using scripts
* Creation of test data for Testing Team using Numeric Track and Tertio Support the application Trips
* Worked in projects and assignments using the Agile methodology Preparing scope and design documents.
* Mentoring the team on development of small adhoc scripts thus helping them to learn new scripting artifacts.

5.**CITI-PFS**

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| **Project Domain** | Banking |
| **Organization** | HCL |
| **Technologies/ Tool** | Python, Aws, Java, Unix Shell Scripting, Perl, , Autosys, Git, Jenkin ,Hermes ,Jira |

Roles and Responsibilities:

* Creation of new modules and Packages using Python
* Utilize PyUnit, the Python unit test framework, for all Python applications.
* Conversion of Perl modules to Python modules for Global prime application
* Written Unix scripts for creation of new jobs for different applications (Prime finance Swap, Finance Engine application).
* It involved analysis, design, development, maintenance, testing, and documentation
* Migration Python 2.7 modules to Python 3.2 for Fiancé engine application

6.CIBC-IS

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| **Project Domain** | Banking |
| **Organization** | TCS |
| **Technologies/ Tool** | Python ,C++, Perl, Unix Shell Scripting ,AutoSys R11, Jil,Feedhub Tumbleweed 2.2, Citrix, Django |

Roles and Responsibilities:

* Worked as a Software Developer.
* It involved analysis, design, development, maintenance, testing, documentation (preparing Requirement Specification Document, Design Document, Technical Specification Document, Unit Test Scripts etc.) and implementation.
* Key responsibility is to handle end to end project migration from C++ to Python.
* Written Unix and Perl scripts for faster migration activities
* Written Python modules for application enhancement
* Continuous improvements through automation and leveraging best practices in business process optimization

Key Strengths:

* Good team player with excellent technical, management and analytical Skills.
* Good communication, presentation skill. Quick learner & self-motivated.
* Strong interpersonal skills - able to work both as an individual and in a team.

Personal Profile

* Date of Birth : 9th June 1987
* Languages Known : English, Hindi and Oriya
* **Marital Status** : Married
* **Nationality** : Indian
* **Hobbies** : Playing cricket and traveling