ABHISHEK KUMAR JHA

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Summary

- Python developer over 10 years of industrial experience in Designing, Development, Deployment and maintenance of backend Api and microservices.

- Developed **GSTN Application** which is handling india's largest indirect tax returns. Developed from scratch which is being used by PWC India.

- Hands on experience in Cloud Environment. Worked on AWS and Azure Env.

- Experience of Programming using Object Oriented Programming (OOPs concept) and software development life cycle (SDLC), strong design patterns knowledge, architecting scalable platforms, object-oriented programming, database design and agile methodologies.

- Worked with varieties of Relational Databases (RDBMS) like SQLite, MySQL and Postgresql and NoSQL DBs like MongoDB.

- Very good experience in messaging queue service.

- Implemented best practices and helped to develop backward compatibility of the system

- Design, build and manage the ELK (Elasticsearch, Logstash, and Kibana) cluster for centralized logging and search functionalities for the App.

- Strong experience using REST Web Services for data communication between remote systems, designed, developed and testing of REST interfaces.

Technical Skills

Languages	Python
Analytical Libraries	Pandas, Numpy, Scipy
Database	MySQL, SQLite, PostgreSQL, MS SQL SERVER, MongoDB
Messaging Service	Rabbitmq, Celery, SQS, SNS
Frameworks	FLASK
Testing Tools	Pytest, Unittest
Cloud Computing	AWS EC2, API gateway, Lambda, S3, Cloud watch, SNS, SQS,Azure Blob

IDE s/ Development Tools	NetBeans, Eclipse, PyCharm, and Sublime Text, VS
Operating system	Mac OS X, Ubuntu, Windows
CI/CD	Jira, Git, SVN, Confluence, Jenkins, Docker, Jenkins, Terraform, Sonarqube
Cloud Computing	• AWS EC2, S3, RDS (MySQL), SQS,Azure
Version Control	SVN, GitHub, Bitbucket

Roles and Responsibilities:

1) **To The New Pvt .Ltd. (Associate Tech Lead)**   **Sept 19 to Present**

A. Project Name: PWC GST Application: This is a PWC product which provides a platform where companies can file their GST monthly/quarterly. It is a huge project, managing Indian Tax system, used by 1000+ large companies having very large data sets. Companies can upload their sales and financial data, modify their details, save data to GSTN portal, Reconcile their data and file all types of GSTR to accomplish Indian tax structure.

Responsibilities:

- Involved in the project life cycle including design, development and implementation and validation
- Migration of Existing Application database from sql server to mongo
- Developed multiple micro services using python and flask environment
- Worked on rabbitmq as queue messenger for python service listener.
- Extensively utilized multiple python libraries like pandas and numpy.
- Developed and tested many features in AGILE environment using Python and pytest and Unittest
- Worked extensively on OpenCV library
- Develop framework for converting existing Pandas data frame to PySpark
- Worked extensively on AWS Components such as S3, SQS, SNS
- Designed and developed APIs to share data with cross functional teams using Flask API frameworks.
- Designed the functionality to read the data from MongoDB and clean the data and arrange the data into timeframes using Pandas.

- File handling for the client data in files like .txt and .xlxs file for data retrieval and storing purpose. Graphical data representation using python modules like NumPy, SciPy, Pandas.
- Experienced in Using Jenkins pipelines to drive all Microservices builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes.

Environment:

Python 3x, Mongodb, PostgreSQL, Rabbitmq, Jenkins, Gitlab, Docker, Octopus, AWS S3, SQS, SNS, Kibana, JIRA.

2) **Tatrasdata Pvt. Ltd. (Senior Backend/Python Developer**)   **November 15 to September 19**

A. Project Name: Centre for Science of Student Learning(CSSL):

This project offers smart assessment of schools and students based on multiple measurement mechanism. Feature of this application is to provide various reports of the exams taken nationwide by governemant based on different category, Gender and Areas.

Language/Technologies: Python 3.6, Flask, MySql, Docker, Pandas, Scipy.

Responsibilities: Understanding business requirement, estimating user stories, sprint planning, attending daily scrum meeting, resolving bugs, implementing user stories.

B. Project Name: Centre for Science of Student Learning(CSSL)

This project offers smart assessment of schools and students based on multiple measurement mechanism. Feature of this application is to provide various reports of the exams taken nationwide by governemant based on different category, Gender and Areas.

Language/Technologies: Python 3.6, Flask, Celery, Redis, MySql, Docker, Pandas, Scipy.

Responsibilities: Understanding business requirement, estimating user stories, sprint planning, attending daily scrum meeting, resolving bugs, implementing user stories.

C. Project Name: Omedym

It is a searching tool application. User can upload any information in image, video, pdf, txt format. Search result can produce data in video, images, text and pdf format.

Language/Technologies: Python 3.6, Flask, MySql, Docker, Pandas, Scipy, S3, AWS Transcribe, Elastic Search.

Responsibilities: Understanding business requirement, estimating user stories, sprint planning, attending daily scrum meeting, resolving bugs, implementing user stories.

3) Chetu India Pvt Ltd: **Jan 14 – June - 15**

Project Name: Vyre(Video Based Job Portal) This product provides a platform where employers can post their job in video format and Candidate can apply it. Candidate can post their resume in video/pdf format. On Selection of resume, employer can send some question and candidate can record their answer in given time frmae by recruiter.

Technologies used: Python(Pandas, Numpy, Scipy), Mongodb, Elastic Search, AWS, Instamojo Payment Gateway, Sprout Video Analytics.

AWARDS AND ACHIEVEMENTS.

- Awarded Spot award in June 2023 in To The New.
- Awarded Core Value award for 4th quarter, 2022 in To The New.
- Awarded Core Value award for 2nd quarter, 2022 in To The New.
- Awarded Customer Satisfaction Award in 4th quarter of 2021 in To The New
- Awarded Best employee for Month, June 2020 in To The New
- Awarded as Best Employee in 2nd quarter of 2017 in Tatrasdata Pvt Ltd.
- Working project is awarded as best project in quarter (Oct-Dec) by Chetu Inc.

EDUCATIONAL QUALIFICATION

• Completed B.E (Hons) in Computer Science from APIIT SD INDIA, Panipat affiliated to Staffordshire University, UK (2008-2012) (Aggregate 69%)

• Intermediate in Science from C.M.Science College (BIEC), Darbhanga, Bihar

• Matriculation from B.H.School(B.S.E.B), Sitamadhi, Bihar

PERSONAL DETAILS

Date of Birth : 21st January1990

Languages known: English, Hindi

REFERENCES : Available on request

DECLARATION I hereby declare that the information furnished above is true to the best of my knowledge.

Signature: Abhishek Kumar Jha