

Piyush Badule

Data Engineer

AWS Certified Data Engineer with 5 years of experience, specializing in Python, Django, Flask, and FASTAPI for backend development. Proficient in PostgreSQL and AWS cloud deployments, with expertise in data manipulation using Pandas, Numpy, PySpark, and Databricks. Skilled in managing data pipelines with Apache Airflow, ensuring efficient ETL processes, and experienced in version control with GIT and containerization with Docker.

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WORK EXPERIENCE

Software Engineer

T – Systems ICT India Pvt. Ltd.

06/2022 – Present,

Pune (Maharashtra), India

Project Details:

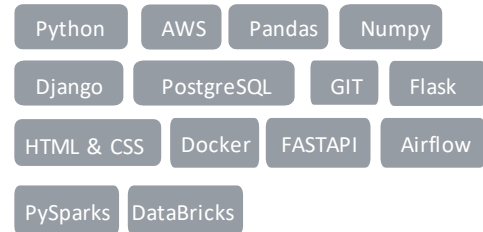
Aqua Future - Mercedes-Benz (Europe):

- **Description:** The Aqua Future project for Mercedes-Benz in Europe involved creating a scalable data pipeline to manage and analyze post-purchase car data, including service history and vehicle status. The aim was to efficiently process large datasets for accurate reporting and insights into car maintenance and customer behavior.
- **Technologies:** Python, PySparks, AWS, GIT.
- **Responsibilities:**
 - **Data Pipeline Development:** Designed and implemented a scalable data pipeline for large-scale datasets using AWS services like S3, Glue, Step Functions, and Athena.
 - **Data Processing:** Leveraged PySpark for data processing and analysis, ensuring accuracy and optimized performance.
 - **Stakeholder Collaboration:** Partnered with stakeholders to deliver necessary data for analysis while maintaining privacy and efficiency.
 - **Scalability & Performance:** Applied best practices to enhance pipeline scalability and performance to meet growing data demands.
 - **AWS Integration:** Automated workflows and streamlined data processing through AWS service integration.
 - **Support & Maintenance:** Provided ongoing support, ensuring smooth data ingestion, transformation, and storage operations.

Space-ECB (European Central Bank):

- **Description:** The SPACE European Central Bank (ECB) Development and Migration Project is a comprehensive initiative aimed at efficiently managing and analyzing economic data from various European countries. The project involves collecting, processing, and migrating data related to key economic indicators, including interest rates, income, GDP, and more. This data is organized as time series, and its availability varies based on different frequencies (D: Daily, M: Monthly, W: Weekly, Q: Quarterly, A: Annually).
- **Technologies:** Python, Object-Oriented Programming (OOP's), JupyterHub, Pandas, Numpy.
- **Responsibilities:**
 - **Script Migration:** Transition legacy FAME scripts to Python for enhanced efficiency and maintainability.
 - **Function Development:** Create custom Python functions for specific data processing needs.
 - **Quality Assurance:** Write test cases to ensure data processing accuracy and reliability and doing code reviews.
 - **Data Processing:** Clean, validate, and harmonize data to maintain quality and consistency.

SKILLS



EDUCATION

Bachelor of Engineering

G. H. Rasoni College of Engineering

2016 – 2019,

8.8 CGPA

Electronics & Telecommunication.

Diploma

Government Polytechnic, Nagpur

2013 – 2016,

72.31%

Electronics & Telecommunication.

CBSC 10th

K. John Public School

2012 – 2013,

8.8 CGPA

INTERNSHIP

➤ Enterprise Business Technologies Private Limited (12/2018 - 05/2019)

During a 6-month Android development internship, I contributed to the creation of an HR Payroll application and a barcode scanner application, focusing on innovative solutions and robust functionality.

➤ Quants Technologies Private Limited (04/2018 - 06/2018)

Over a 45-day period, I focused on Python development to create a Merchant application integrated with ERP systems, utilizing Firebase for real-time database functionality.

LANGUAGES

English

Full Professional Proficiency

Hindi

Full Professional Proficiency

DTSE Translation:

- **Description:** DTSE Translation is an internal project to facilitate document translation in various languages. It encompasses translation services for text, images, websites, and live screen translation. The project supports translation of multiple images and documents, including embedded images within documents.
- **Technologies:** Python, Object-Oriented Programming (OOP's), FastApi, Docker, Azure.
- **Responsibilities:**
 - **Coding and Development:** Led the coding efforts alongside four backend colleagues, implementing text, image, website, and live screen translation functionalities using Python Fastapi and integrating Azure cognitive services.
 - **Code Review and Quality Assurance:** Conducted thorough code reviews, ensuring adherence to high coding standards and best practices.
 - **Unit Testing:** Developed comprehensive unit test cases to validate the functionality and robustness of the translation services.
 - **Documentation and Guidance:** Authored Docker files, test cases, and provided guidance to junior developers, fostering their growth, and ensuring project consistency.

Software Engineer

Mind Nerves Technology Services Pvt. Ltd.

12/2019 – 06/2022,

Pune (Maharashtra), India

Project Details:

Vistabee

- **Description:** Vistabee is a digital marketing platform catering to real estate agents and businesses, enabling them to effectively convey their product or service narratives through compelling digital content. The platform empowers clients to create high-quality digital content that showcases their offerings.
- **Technologies:** Python, Object-Oriented Programming (OOP's), HTML, CSS, JavaScript, Django, PostgreSQL, AWS.
- **Responsibilities:**
 - Designing Models, Views and Templates as per requirements.
 - **Requirement Analysis:** Thoroughly understanding and analyzing project requirements, then translating them into code.
 - **Business Logic Development:** Developing the core business logic by comprehending the complete project flow and API development.
 - **Technology Expertise:** Proficiency in utilizing technologies like Celery and Django Debug Toolbar for efficient development.

Trumov

- **Description:** Trumov is a versatile video creation platform designed to assist users in producing engaging videos tailored for various industries such as real estate, news, automotive, and more.
- **Technologies:** Python, Object-Oriented Programming (OOP's), HTML, CSS, JavaScript, Django, PostgreSQL, AWS.
- **Responsibilities:**
 - **Video, Audio, & Image Processing:** Spearheaded the implementation of critical video, audio, and image processing functionalities, enhancing the platform's multimedia capabilities.
 - **Email Configuration:** Successfully implemented email configuration to streamline communication and user engagement.
 - **Responsive Design Resolution:** Collaborated with team members to resolve responsive design issues by leveraging HTML, CSS, and Python, ensuring a seamless user experience.

Neeri Job Portal

- **Description:** Neeri, a government organization, embarked on the development of a web-based Job Portal dedicated to recruitment activities.
- **Technologies:** Python, Object-Oriented Programming (OOP's), HTML, CSS, JS, Django, PostgreSQL, AWS.
- **Responsibilities:**
 - **Team Guidance,** Established the foundational structure of the project, Spearheaded the end-to-end development.

CERTIFICATION

- **AWS Certified Developer**
- **AWS Certified Data Engineer**

AWARDS

- **Certification Of Appreciation** - 06/2024
- **Stay Curious & Grow** - 05/2023
- **Pat on the Back**