




Swaraj Nayak

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Python Developer | Data Engineer | Full-Stack Developer



PROFESSIONAL SUMMARY

Innovative and detail-oriented Python Developer with **3+ years of experience** in software development, data engineering, and full-stack applications. Expertise in **Python, Django, React.js, SQL, Machine Learning**, and cloud technologies. Skilled in building scalable solutions for **e-commerce, telecom, and payment systems**. Proven ability in **data analysis**, designing ML models, and working with cross-functional teams using **Agile and DevOps** methodologies.



CAREER OBJECTIVE

Seeking a challenging position as a **Python/Data Developer** where I can utilize my skills in **machine learning, data engineering, and full-stack development** to solve real-world business problems and grow in a dynamic and collaborative environment.



TECHNICAL SKILLS

- **Languages:** Python, JavaScript, SQL, HTML, CSS
- **Frameworks:** Django, Flask, Django REST Framework, React.js, Bootstrap
- **Databases:** MySQL, Oracle, MongoDB
- **Tools/Platforms:** Git, Jenkins, PyCharm, Postman, Tableau, HP ALM, Jupyter, Anaconda
- **ML & Data Science:** Scikit-Learn, TensorFlow, Pandas, NumPy, Matplotlib, Logistic/Linear Regression
- **DevOps/CI-CD:** GitHub, Bitbucket, Jenkins
- **Web Services:** REST, JSON APIs
- **Cloud & Hosting:** AWS (EC2, S3, Lambda)
- **Version Control:** Git, Bitbucket
- **OS:** Windows, Ubuntu/Linux



PROFESSIONAL EXPERIENCE

Python Developer

UST Global, Bangalore | Jan 2020 – Present

Client: Marks & Spencer, UK

Project: *Email Alias module within Integrated Warehouse (IHW)*

- Developed and maintained **payment processing system** using **Python, Django**, and **Oracle**.
- Designed and implemented **REST APIs**, enhanced reporting with **Pandas**, and improved logic using **Scikit-Learn**.
- Built **multi-functional reports**, performed **data exploratory analysis**, and worked on **ML algorithms** (Linear & Logistic Regression).
- Participated in architectural discussions, created **low-level design (LLD)** documents.
- Performed **unit testing** using **Pytest**, handled bug tracking with **HP ALM**, and ensured on-time releases.
- Actively involved in **client interactions**, **requirement analysis**, and **continuous deployment**.
- Worked on **Email Alias module** within **Integrated Warehouse (IHW)** – a **data-driven application** designed to manage and streamline email alias creation. Enabled clustering, classification, and assignment of **LDAP permissions** based on alias identity, improving user management efficiency and access control.
- I have hands-on experience with **PySpark**, working on large-scale data processing and ETL pipelines. I've utilized PySpark for transforming and analyzing big datasets in distributed environments, optimizing performance through partitioning and caching, and integrating with tools like **AWS, Databricks**, and **Snowflake**. My work includes writing efficient Spark jobs using DataFrame and SQL APIs, handling structured and semi-structured data formats (like JSON, Parquet, and Avro), and ensuring scalability and fault tolerance in data workflows.



PROJECT EXPERIENCE HIGHLIGHTS

- Built tools to detect **botnets** using **machine learning** and **data mining** techniques.
- Developed and deployed **end-to-end applications** using **Django REST, React.js**, and **MongoDB**.
- Enhanced performance through **multi-threading, logging**, and **database optimization**.
- Integrated APIs, applied **data cleaning/imputation**, and supported **data pipelines (ETL)** with Python.

- Worked on **Email Alias module** within **Integrated Warehouse (IHW)** – a **data-driven application** designed to manage and streamline email alias creation. Enabled clustering, classification, and assignment of **LDAP permissions** based on alias identity, improving user management efficiency and access control.



REACT.JS EXPERIENCE

- 4.5 years of experience in building dynamic, responsive UIs.
- Proficient in **Redux**, **Context API**, **Recoil** for state management.
- Implemented **performance optimizations**: lazy loading, memoization.
- Integrated **REST** and **GraphQL** APIs; tested using **Jest** and **React Testing Library**.
- Participated in **Agile** sprints, code reviews, and pair programming.



EDUCATION

B.Tech in Computer Science

Biju Patnaik University of Technology (BPUT), Bhubaneswar



2017 – 2021



CERTIFICATIONS & TOOLS USED

- **BI Tools**: Tableau
- **ETL Tools**: Python ETL, SSIS
- **Testing**: Pytest, Django Test
- **Deployment**: Git, Jenkins, AWS
- **IDE**: PyCharm, Spyder, Atom



OTHER INFORMATION

- **Languages Known**: English, Hindi, Odia
- **DOB**: 02-Jan-1999
- **Current Location**: Bangalore, India