Victor Ukpe

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PROFESSIONAL EXPERIENCE

CLEARRISK INC   **NL, Canada**
Software Developer   *August 2021–October 2022*

- Built automated ETL workflows to standardize data marts into a consistent and suitable format for machine learning modelling and analysis. Used AWS services like Glue, Athena, DynamoDB and S3.
- Optimized data pipelines, reducing resource utilization and costs by 30% with Python and Pypark.
- Prototyped configuration of Machine Learning model endpoints and REST APIs via API Gateway.
- Resolved critical package dependency issues in CI/CD build pipeline, utilizing Gitlab and Jenkins.
- Documented data flow processes, encompassing technical specifications and architectural diagrams.

SKILLSHAWK   **NL, Canada**
Software Developer intern   *July 2020–September 2020*

- Developed database models, migrations, and queries in Django ORM on product MVP.
- Implemented a suite of integrated unit tests to validate interactions between critical components.
- Planned and conducted usability testing sessions, observing user interaction and gathering feedback.

CANADA LEARNING CODE   **NL, Canada**
Coding Mentor   *July 2019–August 2022*

- Participated in workshops to teach programming and emphasize conceptual understanding of topics.
- Tutored and gave presentations at 10 coding events, dedicating over 50+ hours to knowledge sharing.

PROJECTS

AWS BIG DATA SYSTEM (Kinesis, EC2, EMR, Redshift, DynamoDB and More)

- Deployed process in EC2 to simulate creation of real-time log data for data engineering tooling.
- Implementations include transaction history functionality, recommendations modelling, Transaction rate alarms, Near real-time log analytics, Data warehousing and Visualization.

NOVEL GENRE PREDICTION APPLICATION (Django, Docker)

- Scraped Wikipedia pages for popular novel summaries and genres and stored them into CSVs.
- Created a machine learning model and simple web app to display genre prediction on summary input.
- Deployed API Layers in a containerized environment with Docker and AWS ECR.

CREW CONNECT (Full-Stack Web Application Using MERN Stack)

- Developed a social collaboration site for movie directors included web pages, a database and a server.
- Wrote code to parse highly nested JSON data to insert 500,000 IMDB movies, reviews, and crew member information into a MongoDB database.

EDUCATION

MEMORIAL UNIVERSITY OF NEWFOUNDLAND   **NL, Canada**
Bachelor of Science in Computer Science (Minor: Economics)   *June 2023*

TECHNICAL SKILLS

- Languages: Python, SQL, JavaScript, Java, R
- Big Data: ETL, PySpark, MySQL, MongoDB, Hadoop
- Technologies: Git, Amazon Web Services (AWS), Postman, Apache, MongoDB, Docker, Jenkins, Linux
- Certifications: AWS Certified Cloud Practitioner (CLF-C01), Scrum Fundamentals Certified (SFC)