Victor Ukpe

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EXPERIENCE

ClearRisk Inc.   **Aug 2021 – Oct 2022**
Software Developer   St John's, NL
- Collaborated with product manager to outline a 3-phase strategic plan for implementing ML/AI features into product roadmap. Presentations led to increased team collaboration and resources on data-driven projects.
    o Built automated ETL workflows to standardize data marts into consistent and suitable formats for machine learning modelling and analysis. Reduced AWS cloud resource utilization and costs by 40%.
    o Effectively represented the company as an intermediary to an external machine learning firm providing requested data and communicating updates on implementation in weekly company-wide meetings.
    o Prototyped configuration of ML model endpoints and REST APIs using AWS API gateway.
    o Documented ETL process, encompassing technical specifications, architecture and data flow diagrams.
- Maintained a perfect 100% resolution rate for Salesforce backend feature tickets using Apex (Java) and SQL.
- Resolved critical issues in CI/CD pipeline using Gitlab and Jenkins, resulting in a 50% faster update release time.
- Promoted to software developer in 8 months due to strong performance and organizational impact as an intern.

SkillsHawk   **Jun 2020 – Sep 2020**
Software Developer Intern   St John's, NL
- Played a pivotal role in developing product's MVP, leveraging Django's ORM to craft efficient database queries.
- Updated integrated unit test suite to align with evolving feature sets, reducing post-release bugs by 25%.
- Conducted usability testing sessions, observing interactions and gathering feedback to inform design decisions.
- Produced UI/UX mockups that reduced user drop-off rates during the registration process by 22% using Figma.

PROJECTS

AWS Big Data System (Kinesis, EC2, EMR, Redshift, DynamoDB and More)
- Deployed process in EC2 to simulate the 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 (Python - [Selenium, SkLearn, Django], Docker, AWS ECR)
- Scraped detailed summaries and genres of 500+ popular novels from Wikipedia pages using Selenium.
- Leveraged Python and ML algorithms to create a genre prediction model, achieving an accuracy rate of 85%.
- Developed a Django web application to access the containerized genre prediction API hosted on AWS ECR.

EDUCATION

Memorial University of Newfoundland   **Jun 2023**
Bachelor of Computer Science; Minor in Economics   St John's, NL
- **Activities:** Resident Advisor (2 semesters), Coding mentor for Canada Learning Code (12 events)

TECHNICAL SKILLS

- **Programming Languages & Frameworks**: Python, SQL, JavaScript, Java, Django, Flask, Node.js, Express.js
- **Technologies:** Git, Amazon Web Services (AWS), Postman, Apache, Hadoop, Docker, Linux, Jenkins
- **Big Data:** Spark, ETL, API, Data science pipeline (cleansing, wrangling, visualization, modelling, interpretation)
- **Certifications:** AWS Certified Cloud Practitioner (CLF-C01), Scrum Fundamentals Certified (SFC)