

# OVO OKPUBULUKU

Data Engineering | Applied Machine Learning | Cloud Operations

## PROFILE

I am a Data Professional with a keen focus on Machine Learning Engineering, ETL Pipelines and Cloud Development Operations. I am on a career path that leads to becoming an Operations Engineer with useful Data, Machine Learning, and Cloud computing skills.

## TECHNICAL SKILLS

- Python, R, SQL, JavaScript
- SQL Server (Microsoft Certified MTA)**
- Microsoft Azure ML Studio
- Google Cloud Platform** (GCS, Dataflow, PubSub, BigQuery)
- HTML/CSS/JavaScript, Node.js
- Microsoft Excel (Expert certification)
- Tableau 10, Microsoft Power BI
- IBM Certified Predictive Analytics Modeler (SPSS)**
- AWS Certified Machine Learning Specialist**
- Object-Oriented Programming
- BPMN
- Big Data Hadoop & PySpark Knowledge
- Apache Beam Pipelines with Python SDK on GCP Dataflow
- Microsoft Certified Data Analyst**
- AWS Certified Cloud Practitioner
- Associate (Power BI)
- Azure Certified (AI Engineer Associate)**
- Azure Certified** (Database Administrator Associate)
- Microsoft Azure Certified** (Fundamentals, Data Fundamentals, AI Fundamentals)

## EXPERIENCE

### Data Engineer

BadaL.io Inc

Aug 2022 - Present

Remote

- Data Engineering Consulting, with the leading Canadian Enterprise GCP Consulting company.
- Individual Contributor in the building and operationalizing data product deliverables in complex infrastructure and data migration and modernization program;
- Onboarded as GCP Consulting team member into the Bank of Nova Scotia (Scotiabank)'s Enterprise Data Lake Migration project.
- Analytics Engineering with dbt-BigQuery: Building, orchestrating, scheduling and deploying dbt pipelines with Google Composer (Managed Apache Airflow on GCP), on Cloudbuild trigger configurations.

### Data Engineer

Totogi LLC

Jan – August 2022

Remote

- Delivery Consultant for Data Science and Engineering, Data Migration and Platform Configuration for telecom Online Charging System (OCS) and Support systems (OSS & BSS) Python Scripting for database manipulation (with T-SQL), data pipelines and workflows.
- Churn AI - Research, design and implementation of a Machine Learning model deployment and service that predicts Churn from subscriber data.
- Data Pipelining - creating, scheduling, orchestration and deployment of data pipeline with DevFlows, Glue Catalog Databases, Glue ETL workflows, Amazon Athena and DynamoDB, for processing JSON feeds conversion data from API endpoint to AWS Quicksight.
- Charging Configurator Engine - building a web application for operating the Charging Engine for Plan and Account Creation, and Event Data Record Management, using Flask and AWS Athena, Neptune, and Boto3. App deployed on AWS Elastic Beanstalk.

## Applied Machine Learning Specialist

August - December 2021

ReVisionz Inc

Calgary, AB

- YOLO Object Detection (Image Recognition) and Optical Character Recognition with Microsoft Azure Computer Vision Service.
- Python Scripting for database manipulation (with T-SQL), data pipelines and workflows.
- Training labelled image data using YOLO image recognition/ darknet.

## Data Science Mentor

August 2021 - Present

Lighthouse Labs

Remote, Canada

- Remote Assistance and Coaching to Data Science Bootcamp Students
- Assisting Instructors with Curriculum and assisting in group projects

## Data Science Fellow

July – August 2021

Cybera Inc

Calgary, AB

- Agile Data Science Project Execution using GitHub tool. Project Team lead for final sprint
- Developed a Data Science POC model for a [Recommender System](#) to aid hockey student athletes in making better decisions

## Project Associate: Data Science, ML, BI Analytics and Python API

March - July

2021

Riipen

Remote

- Concurrent Execution of multiple projects with the Level Up Program. Built [Data Pipelines](#) for Client Services using [Apache Beam Python SDK](#) on [Google Cloud](#) Dataflow.
- Database Development project for Auto-Electric Parts Inventory using [SQL Server](#). Dev Team Contributor for Database Design & Modelling
- Python API Productization scripting & Documentation for Immersive Visualization System.
- Newsletter Communication Analysis using [Power BI](#) to mine click-through data.
- Data Pipeline and ETL Workflow Automation, with Database restores from backup archives using a [MySQL](#) engine and [Python Scripts](#)

## Technical Intern

Jan – Mar 2021

A4 Systems Corporation

Calgary AB

- Programming, Analytics, Data Center Management; Technology and Industry research & documentation
- Global Internship SDG project: [Exploratory Analytics](#) and Visualization with [Python 3](#). Delivered proof of concept for Analysis and [predictive modeling](#) aimed at reducing Employee Attrition in a Company.
- Simplilearn Data Science Capstone Project (Retail Customer Segmentation): Exploratory Data Analysis, [Cohort Analysis](#), [RFM modelling](#), & [k-means Clustering](#) using Python, and [Dashboard Reporting using Tableau](#). [Link here](#)

## Data Science & Web Development Student

January – December 2020

Open to New Opportunities

Calgary, AB

- Developed a Prediction model using Python, geared towards reducing time spent in testing various feature combinations for cars. Performed [PCA](#) to reduce dimensions of features before applying a [XGBoost](#) to predict time spent by each car in the testing system. [Link here](#)
- Portfolio Project: Created a Quiz Game App with [Node.js](#) and Express backend functionality. [Link here](#)
- Portfolio Project: Predicted Employee Salaries based on Job Description using [Python 3](#). Selected a [Gradient Boosting Regressor](#) model from a set of models, based on lowest [MSE score](#). [Link here](#)

## EDUCATION

Bow Valley College, Calgary AB

Feb 2021 – Aug 2021

BI Analytics, Predictive Modeling & Database Mgt

Simplilearn

Dec 2019 – Jan 2021

Bootcamp: "Data Science Master's Program"

ComIT, Calgary AB

Oct – Dec 2020

Certificate, Node.js Course

SAIT, Calgary AB

Sep 2013 – Jul 2015

Bachelors in applied technology, Petroleum Engineering

University of Benin, Benin City, Nigeria

Jan 2000 – Dec 2004

Bachelor of Science, Industrial Chemistry