

JOHN ANIH

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PROFESSIONAL EXPERIENCE

Freelance Software Developer (Freelance/Part-time), Fiverr, UK

Jan 2022 – Present

- Developing, designing, and managing different software backend and frontend applications for different SME businesses
- Designed, delivered, and successfully deployed more than 50+ software, AI, and data science projects in diverse sectors such as the development of data science dashboards for project management, development of APIs for small businesses, development, and management of different database systems both SQL and NoSQL and many more
- Awarded Fiverr Pro level for consistently delivering exceptional and outstanding work to customers – a status given to exceptional sellers who provide value to customers in the Fiverr marketplace
- Technology stack – Python (Pandas, HTML, CSS, JavaScript, jQuery, Flask, Django, Dash, streamlit), AWS (S3, EC2, Sagemaker, Load balancer), Azure(DevOps and ML), Docker, MongoDB, Postgres, Microsoft Server, GoLang

Data Science Instructional Staff

Aug 2021 – Present

2U, in collaboration with the University of Birmingham (Part-time), UK

- Delivered practical and live coding sessions to over 30 students in one cohort on VBA, Excel, Python, SQL, HTML, CSS, Bootstrap, JavaScript, and Tableau which resulted in the empowerment of over 65 upcoming and aspiring data professionals across the UK and Germany together
- Technology stack – Python, Excel, VBA, SQL, Tableau, Pandas, Scikit-learn, TensorFlow, R, HTML, CSS, JavaScript, jQuery, Flask, Apache Spark

Data Scientist (Software developer)

April 2021 – Present

HUMN.ai, in collaboration with the University of Salford, UK

- Developed and designed robust end to end Autonomous Vehicles (AV) simulation data pipelines with AWS and Docker to simulate over 2000 hours of realistic driving scenarios which include various weather, and environmental conditions and road features
- Performed risk modelling for traditional motor and autonomous vehicle insurance products using various machine-learning methods
- Lead and manage the development and deployment of machine learning models to MLFlow, AWS s3 and API development for end users and front-end application
- Developed robust data pipeline utilising AWS services to continually update, process, improve and analyse simulated data through continuous testing and integration
- Technology stack – Python (GeoPandas, Pandas, Scikit-learn, TensorFlow), AWS (S3 and EC2), Carla, MLFlow, DVC, Docker, GitOps)

Data Science & Machine Learning Engineer, Herrenknecht AG, Germany

Sep 2020 – April 2021

- Worked with a 6-member team to develop classical and deep-learning models to predict the future positions of Tunnel Boring Machines (TBM), 1m and 2m ahead
- Built web application dashboards using Dash and streamlit frameworks in python to deploy predictive models for the human operator serving as driving assistant in real-time resulting in over 50% reduction in the problems faced by TBM drivers
- Technology stack – Python (NumPy, Pandas, Dash, streamlit, TensorFlow, Scikit-learn), Azure DevOps, Azure ML

Data Analyst (Internship), Covomo Versicherungsvergleich GmbH, Germany

Feb 2020– Aug 2020

- Analysed various insurance products that the Covomo Business offers which lead to a better understanding of customers' behaviours and ultimately helped the business teams to make strategic and informed business decisions
- Designed and developed ETL pipelines with SQL and Google Analytics API to extract data, analyse and understand customer's behaviour and requirements helping stakeholders and management make informed decisions leading to a 25% increase in customers retention rate
- Technology stack – Python (Pandas, Scikit-Learn, Dash), R, SQL (Postgres, Microsoft Server and MySQL), Google Tag Manager, JavaScript

EDUCATION

M.Eng. Degree in Automation and IT, Technical University of Cologne, Germany	Sep 2018 – Mar 2021
• <u>Master Thesis in collaboration with Herrenknecht AG:</u> Investigation on data-based prediction models for steering of tunnel boring machines.	

B.Sc. (Top 2% of the class) in Systems Engineering, University of Lagos, Nigeria	Nov 2011 – Nov 2016
• Recipient of four (4) merit-based scholarships worth over USD \$25, 000	

TECHNICAL SKILLS

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- Programming skills in Python, R, JavaScript, jQuery, and Go
 - Sound knowledge of cloud infrastructure: AWS (EC2, S3, Lambda, EKS, ECS, Sagemaker, Load balancer) and Azure (ML, DevOps)
 - Experienced and certified cloud practitioner with Amazon AWS and Microsoft Azure
 - Knowledge of CI/CD with Docker, Jenkins, Azure DevOps and GitOps
 - Data visualisation with Python (Plotly and co), JavaScript (D3, Chart JS, Plotly), and Tableau
 - Expertise in SQL (MySQL, Postgres, and Microsoft Server) and NoSQL (MongoDB)
 - Solid knowledge of data manipulation and analysis using Python Pandas, NumPy, R and more
 - Knowledge of MLOPS tools and operations such as MLFlow, Optuna, DVC, and Python (scikit-learn, TensorFlow, PyTorch, etc)

CERTIFICATIONS

AWS Certified Cloud Practitioner	Feb 2023
Microsoft Certified: Azure Data Scientist Associate	Dec 2022
Microsoft Certified: Azure AI Fundamentals, Microsoft	Dec 2021
Certified Professional Data Scientist, DataCamp	Jul 2021

HONOURS AND AWARDS

UK Exceptional Global Talent	Dec 2021
- Endorsed by UK Research and Innovation (UKRI)	
LG Electronics Award of Excellence	Feb 2015 – Feb 2016
- LG Electronics recognition for outstanding performance	
