

FRANKLIN IZUCHUKWU CHUKWUEMEKA

Address: Akadeemia Tee 46, Mustamäe, 10154, Tallinn, Estonia | Phone: (+372) 58300891

Website: [Profile Page](#) | Email: franklinchukwuemeka234@gmail.com

About Me: With a strong foundation in Node.js, TypeScript, and a passion for building scalable and efficient software solutions, I am confident in my ability to contribute significantly to your team. I have extensive experience in designing and developing complex asynchronous, multi-user applications, leveraging microservices architecture to ensure scalability and maintainability.

Experiences:

Technical Team Lead - *Centre For Applied Social Sciences, Tartu* [2023 – 2024]

- Led and managed a multidisciplinary team of developers and analysts, overseeing the successful execution of data science projects.
- Conducted thorough testing, validation, and verification processes to ensure the quality, robustness, and reliability of data science and data-driven solutions.
- Communicated project progress, technical concepts, and insights to stakeholders, effectively bridging the gap between technical and non-technical teams.

Data Analyst - *Tipline Environmental Services, Onitsha* [2020 – 2023]

- Managed data pipelines and developed models to support operational teams in strategic capacity planning leading to streamlined workflows, avoiding overcapacity.
- Developed and implemented a quadratically constrained linear programming model (QC-LP) to address complex constraint issues related to multiple sink distributions.
- Used AMPL to efficiently solve and optimize the QC-LP model, providing valuable insights for operational planning and decision-making reducing cost by 27%.
- Utilized Python, Excel Spreadsheets and data visualization tools (PowerBI, Looker Studio) for advanced data analysis and compelling storytelling.

Software Developer - *Basexcel Technologies, Enugu* [2017 – 2020]

- Proficient in Python and JavaScript web frameworks (Django, React.js), contributing to efficient data pipeline ownership.
- Deployed and managed applications on cloud platforms (AWS, Azure), ensuring robust and scalable solutions for operational analytics.
- Developed and integrated APIs to facilitate seamless data flow and analysis.
- Created and maintained relational databases using SQL, ensuring efficient data storage and retrieval to support backend web development.

Certifications:

IBM DevOps and Software Engineering Professional Certificate - *To be issued by IBM* [2025]

Microsoft IT Support Specialist Professional Certificate - *Issued by Microsoft* [2024]

IBM Data Science Professional Certificate - *Issued by IBM* [2024]

Customer Relationship Management Certificate - *Issued by CICRM* [2018]

Education:

Master's Degree in Quantitative Economics - *University of Tartu, Estonia* [2022 – 2024]

Skills and Attributes:

- Proficient in working with PostgreSQL and message queuing systems like RabbitMQ, enabling robust data storage and real-time communication.
- Front-end development skills, including React.js, creating intuitive and user-friendly interfaces.
- Well-versed in CI/CD pipelines, DevOps practices, and containerization technologies like Docker and Kubernetes, ensuring efficient deployment and management of applications.
- Strong communicator, both written and verbal, and I thrive in collaborative environments. I am eager to learn and adapt to new technologies and challenges.

Achievements and Awards:

- Led a team in the development of the Automated Survey Analyzer which assists non-technical researchers in real-life projects, demonstrating technical proficiency and teamwork.
- Recognized for one of the best theses in the Quantitative Economics MA program of 2024, highlighting advanced analytical and research skills.
- Successfully increased Quantum Nexus Capital's portfolio by 150% through strategic algorithms and proactive risk management techniques, showcasing expertise in data-driven decision-making.
- Awarded a merit-based, full-tuition scholarship at the University of Tartu in 2022, underscoring academic excellence and dedication.

Hobbies:

Board games like chess and sudoku. I also enjoy football and following geopolitical events around the world.

Projects:

Culture, ESG Performance and the Environmental Kuznets Curve

Links: [Description](#) | [Source Code](#)

Space Race with Elon Musk's SpaceX - *IBM Project*

Links: [Description](#) | [Source Code](#)

Automated Survey Analyzer - CASS Project

Links: [Description](#) | [Source Code](#)

Sentiment Analysis of Movie Reviews - *ML Project*

Links: [Description](#) | [Source Code](#)

Time Series Analysis of Performance of Environmental-Friendly Stocks

Links: [Description](#) | [Source Code](#)

UI Tests Using Selenium Framework - *SwedBank Project*

Links: [Source Code](#)

Heterogeneity and Robustness of the Kuznets Curve

Links: [Source Code](#)