Emmanuel Aninwezi Ikechukwu

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SUMMARY

- I am a highly capable and motivated biotechnology graduate with analytical and problem-solving skills.

- Fascinated by computer programming, passionate about traveling, and experienced community service volunteer.

EDUCATION

- **Kazan National Research Technological University, Kazan, Russia.**   *September 2019 - June 2023*
  BSc. Biotechnology GPA: 4.48/5.0

EXPERIENCE

Biological treatment facilities at .Koshchakovo   **Kazan, Russia**

BSc Research, P.I.Professor Tatiana Vladimirovna V   *Summer 2023*

- I worked on a technological line for biological wastewater treatment at the biological treatment facility of the city of Kozhakov with a capacity of 200 m3 per day.
- A material balance was carried out and an aerotank was calculated for the cleaning process, ensuring compliance with environmental and safety standards when discharged into fishery reservoirs.
- Implemented automation of the aeration tank, which controls water flow, dissolved oxygen concentration, pH, and temperature, and also provided a comprehensive feasibility study of the project.

Koshakova Sewage Plant   **Kazan, Russia**

Biotech Intern, P.I.Professor Tatiana Vladimirovna V   *Summer 2022*

- Observed and analyzed the biological processes of wastewater treatment.
- Analyzed the mass concentration of phosphate ions in water samples collected from different tanks.
- Extracted and formulated a report based on my analysis and findings.

KNRTU Faculty of Industrial Biotechnology lab   **Kazan, Russia**

Biotech Intern, P.I.Professor Alexander Sirotkin   *Summer 2021*

- Visited the company "Organic Park", which specializes in microbial preparations for crop production, Kazan Dairy plant of KOMOS agro-holding, A.E. Arbuzov Institute of Organic and Physical Chemistry (IOFH) of the Kazan Scientific Center of the Russian Academy of Sciences, Technological Laboratory and Kazan Institute of Biochemistry and Biophysics (KIBB) KNC RAS
- Interacted and got acquainted with various biotech industrial processes including culturing of micro-organisms, fermentation, pasteurization and sterilization of micro-organisms.

KNRTU Faculty of Industrial Biotechnology   **Kazan, Russia**

Molecular Spectroscopy Researcher, P.I. Abzalov Ravil Faritov   *Fall 2020*

- Performed an extensive study on the different applications of molecular spectroscopy methods.
- Drafted a report on the use of molecular spectroscopy method in the determination of toxic metal ions in biotechnological solutions.
- Demonstrated research and technical abilities throughout the research process.

PROJECTS AND PROGRAMMING EXPERIENCE

DeepCryptoForecast: Predicting Bitcoin Prices with LSTM

Machine Learning Engineer   January 2023- July 2023

- Developed and implemented an advanced LSTM neural network to predict market prices for Bitcoin (BTC-USD) with an impressive accuracy of 96.64%, showcasing expertise in deep learning and data analysis.
- Leveraged cutting-edge techniques, such as early stopping and model checkpointing, to optimize the LSTM model's performance, demonstrating strong problem-solving and optimization skills in predictive modeling.
- Collected and preprocessed historical financial data using Python's "yfinance" library, displaying proficiency in data acquisition and manipulation to extract meaningful insights from vast datasets.

Davayte

Founder and FlutterDeveloper   April 2022 - Present

- A platform that allows users create, participate and manage events. On Davayte, users connect by participating in events.
- Stack: Dart (Flutter), Bloc State-Management, MVVM design-pattern, get_it (Dependency injection), emailJS, Flutter-wave, JavaScript (NodeJS), Rest API, WebSocket.

C Developer   January 2022

Worked on get next line, a function that returns a line read from a file descriptor.

- Implemented a function that can return a single line read from a file descriptor, without losing track of the next line and with a random buffer size.

C Developer   October 2021

Worked on Libft, a re-implementation of the C standard Library.

E-Shoppins

Dart Developer   June - September 2021

- Built a hybrid app for online shopping. Features a responsive admin page and a beautiful user interface.
- Used Firebase for handling, processing and managing backend functionality and cloud Firestore Database for storing data.
- Stack: Dart (Flutter), Providers State-Management, MVVM design pattern, Firebase.

Travelashy

JavaScript & Dart Developer   Febuary - April 2021

- Built a hybrid application that allows adventurers to post pictures of interesting places they visit.
- Create RESTFUL API endpoints using JavaScript (NodeJS) for interaction with the front end application.
- Used Flutter as front end framework in creating responsive and elegant user interface.
- Stack: JS(NodeJS), RESTFUL API, Dart (Flutter), NoSQL (Mongo DB), Git, Postman

HONORS AND AWARDS

- Runner up "Haksium Hackathon" in Moscow, 2020
- Awarded the BEA (Bilateral Education Agreement) Scholarship for a fully funded undergraduate degree in Biotechnology by the Russian Federation, 2018

VOLUNTEER ACTIVITIES

- Volunteer Kazan Marathon, **2019**
- World Skills Kazan, **2019**

LANGUAGUES

- English
- Russian
- Igbo

REFERENCES

Professor Alexander S. Sirotkin (Specialist, PhD)

- Senior Lecturer, Dean of Faculty and Head of Department –Faculty of Food Technologies, Department of Industrial Biotechnology
- Email: asirotkin66@gmail.com
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Professor Tatiana Vladimirovna V. (Specialist, PhD)

- Senior Lecturer –Department of Industrial Biotechnology
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