

## Contact

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mukailu (LinkedIn)  
fyrstly.io (Company)

## Top Skills

Artificial Intelligence (AI)  
Product Development  
Resume Optimization

## Languages

German (Elementary)  
English (Full Professional)  
Twi (Native or Bilingual)

## Certifications

SQL: Data Reporting and Analysis  
R Essential Training: Wrangling and  
Visualizing Data  
Data Cleaning in Python Essential  
Training  
Become a Data Analyst  
Applied Data Science Lab

## Honors-Awards

Outstanding Student of the Year

# Mutakilu Mukailu

Startup Founder & AI Engineer (ex-Turing) | Tailoring Resumes to  
10x Interview Chances | (fyrstly.io)  
Kumasi, Ashanti Region, Ghana

## Summary

I'm Muta, AI engineer (ex-Turing) and founder of Fyrstly.io — a platform that helps tech job seekers tailor resumes in minutes and 10x their interview chances.

I spent 5+ years building AI and data systems that solve complex problems across healthcare, finance, and e-commerce. I design solutions that turn raw data into actionable insights and real-world impact.

At Fyrstly, I'm tackling one of the most frustrating problems in tech careers: job seekers with great skills getting overlooked because their resumes don't clearly match roles. I'm building tools that automate relevance, making the process faster, fairer, and smarter.

I share what I learn publicly — from AI engineering to product building — because I believe solving big problems is a combination of transparency, rigor, and iteration. Follow along if you're interested in AI, careers, or building products that matter.

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## Experience

Fyrstly  
Founder  
December 2025 - Present (2 months)  
Global

Building Fyrstly.io — a platform that helps tech job seekers tailor resumes in minutes and 10x their interview chances.

- Leading product development, AI modeling, and user experience design
- Building in public to share learnings on AI, career tech, and startup building
- Experimenting with automation and data-driven insights to improve job search outcomes

## Turing

1 year 1 month

### Backend Engineer

June 2025 - August 2025 (3 months)

Palo Alto, California, United States

As a Backend Engineer, I build and maintain high-performance backend systems powering internal tools used by engineering teams across the company. I contribute to the design and development of RESTful APIs, implement secure authentication flows, and manage relational data using NestJS, TypeORM, and MySQL.

My recent work includes architecting backend services for a real-time audio collaboration platform with lobby-based user grouping, role-based access control, queue logic, and secure session workflows. I also contribute to API design, codebase cleanup, and CI/CD integration across services in a Dockerized development environment.

I collaborate with frontend and DevOps engineers, follow Git-based workflows, and emphasize clean architecture, maintainability, and performance in every service I build.

### AI Engineer

August 2024 - July 2025 (1 year)

United States

As an AI Engineer and Pod Lead at Turing, I led a team delivering high-quality datasets and reinforcement learning pipelines for fine-tuning large language models (LLMs) used by clients such as Apple and Amazon.

At Apple, I contributed to the Apple Intelligence initiative, training LLMs using Reinforcement Learning from Human Feedback (RLHF) to enhance code generation in Python and JavaScript. I designed feedback workflows, analyzed model failure modes, and curated edge-case prompts to align outputs with human expectations.

At Amazon, I supported LLM evaluation tooling and built structured datasets to test language understanding, reasoning, and performance on domain-specific tasks.

In addition to client work, I contributed to an internal benchmarking initiative aimed at evaluating large language models on real-world problems using

custom-built datasets and stress tests. This involved scenario design, data generation, and crafting multi-turn prompts to simulate production use cases.

As a pod lead, I was responsible for team coordination, quality control, and delivery of key project milestones — ensuring a balance between research-grade experimentation and production reliability.

## Home Skool

Founder || Data Science Instructor

October 2022 - October 2024 (2 years 1 month)

Accra, Greater Accra Region, Ghana

- Develop and teach courses on data science concepts and techniques to all students, covering topics such as statistical analysis, machine learning, data visualization, and data ethics.
- Use a variety of teaching methods, including lectures, group discussions, and hands-on activities, to engage students and support their learning.
- Develop and grade assignments and exams, provide feedback to students, and maintain accurate records of student progress and grades.
- Mentor and advise students on research projects and career opportunities in data science.
- Participate in curriculum development and program evaluation activities, working closely with other instructors and program leaders to ensure that courses are relevant and effective.
- Stay up-to-date with the latest trends and developments in data science education and research, attending conferences and workshops.
- Collaborate with industry partners to develop and deliver training programs and workshops on data science topics.

## Self Employed

Data Scientist

January 2022 - October 2024 (2 years 10 months)

Accra, Greater Accra, Ghana

- Collaborate with clients from various industries, including healthcare, finance, and retail, to identify data analysis needs and develop custom solutions using Python, SQL, and Excel.
- Analyze large and complex datasets to derive insights and provide recommendations for improving business performance and efficiency.
- Develop and implement data cleaning and preparation processes to ensure accuracy and reliability of analysis.
- Create visualizations and dashboards to effectively communicate key insights to clients and stakeholders, using tools such as Tableau and Power BI.
- Work with clients to define key performance indicators (KPIs) and develop reporting structures to monitor progress and track outcomes.
- Provide training and support to clients on data analysis techniques, tools, and best practices.
- Maintain up-to-date knowledge of industry trends and developments in data analysis techniques and tools.

#### LHydra-com

##### AI Research Assistant

September 2023 - March 2024 (7 months)

Fargo, North Dakota, United States

#### Stallion Trust and Administrative Company

##### Pension Fund Administrator

October 2022 - December 2022 (3 months)

Greater Accra, Ghana

- Assisted the pension fund administrators with the processing of pension applications, updating member records, and responding to member inquiries.
- Worked closely with the pension fund accountants to reconcile accounts, generate financial reports, and process payments to members and service providers.
- Conducted research on industry regulations and best practices, and provided recommendations to improve operational efficiency and compliance.

- Assisted in the development and implementation of policies and procedures to ensure accuracy and reliability of member records and financial transactions.
- Participated in team meetings and training sessions to gain a better understanding of the pension fund industry and the role of the administrator.
- Conducted data analysis and generated reports to support decision-making related to the pension fund's investment portfolio.
- Collaborated with colleagues on special projects related to pension fund administration and management.

## Loverman Business Group

### Sales Analyst

November 2016 - January 2020 (3 years 3 months)

Sefwi-Wiawso Municipal District, Western North Region, Ghana

- Conduct sales trend analysis using Tableau to identify opportunities and risks in the company's sales performance.
- Generate weekly, monthly and quarterly reports on sales performance for the executive team, providing valuable insights and recommendations to support data-driven decision making.
- Collaborate with cross-functional teams, including sales, marketing, and finance, to develop sales forecasts, improve sales processes, and optimize revenue.
- Analyze sales pipeline data to identify trends and areas of improvement, and provide recommendations for action to increase pipeline efficiency and accuracy.
- Develop and maintain a database of customer and market data to support market research and competitive analysis.
- Create and maintain dashboards to track key sales metrics, such as revenue, margin, win/loss rates, and customer acquisition costs.

- Work with IT to develop and implement systems and tools to automate and streamline sales reporting and data analysis.

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## Education

Kwame Nkrumah' University of Science and Technology, Kumasi  
Bachelor of Science - BS, Actuarial Science · (December 2020 - November 2024)

WorldQuant University

Applied data science lab, Data Science · (January 2022 - December 2022)