



**BEKRY MOHAMMED**

## DATA ENGINEER

A Data Engineer with excellent programming skills in python, HTML, CSS, and JavaScript. I possess a very good understanding of databases, frameworks, Data Pipelines, and version control.

- I have 12 years of experience in Engineering, teamwork and collaboration with international teams. I am excited to join a dynamic software developer team in the tech sector so that I can advance and make a difference.

bekrye@gmail.com Germany 25.12.1984, in Tigray, Ethiopia

- Personal website / Portfolio: <https://bky201.github.io/resume/>
- GitHub repository: <https://github.com/bky201/>
- LinkedIn: <https://www.linkedin.com/in/bekry-mohammed/>

## EDUCATION

April 2023 – October 2023

**Diploma in Fullstack Software Development**  
Code Institute, GmbH, Berlin, Deutschland  
Full Stack Software Development

September 2019 – July 2021

**MASTER OF SCIENCE in Data Engineering**  
Jacobs University Bremen, Germany

- All aspects of data engineering and ML process, including building ETL pipelines, and preprocessing

- Selected courses: Big Databases and Cloud Services, Machine learning, Data Visualization

October 2003 – July 2008

**BACHELOR OF SCIENCE , Electrical Engineering**  
Jimma University, Ethiopia

-signal processing, computer programming, computer networks, communication engineering

## SKILLS

Programming: Python / Shell Script / Bash (Unix Shell) / Linux Commands

OS: Linux / Windows /

Database : SQL / MySQL / PostgreSQL / Database Security/ Database Servers / database administration / MongoDB / Cassandra

Version control: Git / Github

Pipeline: Apache Kafka / Apache Airflow / Extract Transform and Load (ETL) / Web Scraping / Data Pipelines

Library: Numpy / Pandas / Data Analysis / Jupyter notebooks

Framework: Apache Spark / Apache Hadoop

## DATA ENGINEERING PROJECTS

\* Designing and implementing various concepts and components in the data engineering.

GitHub - [https://github.com/bky201/Data\\_Engineering\\_Capstone\\_Project.git](https://github.com/bky201/Data_Engineering_Capstone_Project.git)

Technologies used – relational databases, NoSQL data stores, data warehouses, data pipelines, Linux shell scripting, SQL, Python

## PORTFOLIO PROJECTS

\* **My-events** : Full Stack website for sharing events photos.- GitHub - <https://github.com/bky201/events-api.git>

Technologies used – HTML5 , CSS, React, Python, Django rest framework, Bootstrap, Unittest, Git, Github, Heroku

\* **Hotel Room Booking**: Full Stack website for Hotel Booking system.- GitHub - <https://github.com/bky201/HotelBooking.git>

Technologies used – HTML5 , CSS, JavaScript, Python, Django, Bootstrap, Unittest, Git, Github, Heroku

\* **Battleship Game**: Interactive Game between user and computer.- GitHub - <https://github.com/bky201/battleship-game.git>

Technologies used – Python, Heroku, Github

\* **Dice Step game**: Interactive Game uses random guess to create a path.- GitHub - <https://github.com/bky201/step-game.git>

Technologies used – HTML, CSS, Javascript, Github, Fontawesome

## HACKATHON PROJECTS

\* **CODE WARS: THE HACKATHON STRIKES BACK** Hackathon in May 2024 organized for 6 days by Code Institute.

- Collaborated with a team to develop “The\_Fork\_Awakens” quiz game app.

GitHub - [https://github.com/bky201/the\\_fork\\_awakens.git](https://github.com/bky201/the_fork_awakens.git)

Technologies used – HTML5 , CSS, JavaScript, Figma, Fontawesome, Git, Github, Netlify

\* **CUPID’S CODE QUEST** Hackathon in February 2024 organized for 6 days by Code Institute.

- Collaborated with a team to develop “The Love Bugs app” that enables couples to unite together.

GitHub - <https://github.com/bky201/the-cupid-bugs.git>

Technologies used – HTML5 , CSS, JavaScript, Python, Django, Bootstrap, Balsamiq, PostgreSQL, Git, Github, Heroku

\* **BUDGET BUSTERS** Hackathon in January 2024 organized for 6 days by Code Institute.

- Collaborated with a team to develop an app that enables users to track their finances efficiently.

GitHub - <https://github.com/bky201/jan24-hackathon.git>

Technologies used – HTML5 , CSS, JavaScript, Python, Django, Bootstrap, Miro, PostgreSQL, DALL.E 3, Git, Github, Heroku

## WORK EXPERIENCE

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|--|--|
| January 2022 – January 2023<br>Gorillas Operation Rider        | <b>Gorillas Operation Germany GmbH &amp; Co KG</b><br><b>Bremen, Germany</b> <ul style="list-style-type: none"><li>- Delivery of Goods to customers.</li><li>- Product quality and expiry date checking.</li><li>- Ware house product organization and storage.</li></ul>                                |
| September 2021 – December 2021<br>Fulfillment Center Associate | <b>Amazon Logistik Achim GmbH</b><br><b>Bremen, Germany</b> <ul style="list-style-type: none"><li>- Inbound dock, products distribution.</li><li>- Stowing and storing items inside pods.</li><li>- Bar code scanning and product checking</li></ul>   |
| July 2020 – July 2021<br>Working Student                       | <b>DPD Deutschland GmbH VZ</b><br><b>Bremen, Germany</b> <ul style="list-style-type: none"><li>- Inbound dock, products distribution.</li><li>- Outbound dock storing items inside container.</li></ul>  |
| September 2017 – July 2019<br>Electrical Engineer              | <b>EDNA MALL HTS PLC</b><br><b>Addis Ababa, Ethiopia</b> <ul style="list-style-type: none"><li>- Performed data analysis and created visualization dashboards.</li><li>- Plan and monitor project progress.</li><li>- Prepared weekly progress reports</li></ul>   |
| January 2014 – September 2017<br>Freelancer                    | <b>China Railway Construction Engineering</b><br><b>Addis Ababa, Ethiopia</b> <ul style="list-style-type: none"><li>- Supervision project execution on site.</li><li>- Prepared material request for site execution.</li><li>- Tested and Handed over completed projects.</li></ul>                      |
| March 2009 – June 2013<br>Electrical Engineer                  | <b>Alsaad General Contracting</b><br><b>Jeddah, Saudi Arabia</b> <ul style="list-style-type: none"><li>- Installed electrical systems for Automation of Buildings.</li><li>- Installed Fire alarm and Voice evacuation systems.</li><li>- Tested and Handed over completed networking systems.</li></ul> |

## CERTIFICATION

- Coursera: Getting Started with Data Warehousing and BI Analytics ( 16 hours)
- Coursera: Relational Database Administration (DBA) ( 21 hours)
- Coursera: Hands-on Introduction to Linux Commands and Shell Scripting ( 14 hours)
- Coursera: ETL and Data Pipelines with Shell, Airflow and Kafka ( 16 hours)
- Udemy : Agile Fundamental Including Scrum and Kanban - 2021 (4.5 hours)
- Udemy : Cloud Computing with AWS Amazon Web Services (10 hours)
- Udemy : Docker and Kubernetes The Practical Guide (23.5 hours)
- Coursera : Introduction to Data Engineering (12 hours)
- Coursera: Python for Data Science, AI & Development ( 25 hours)
- Coursera: Python Project for Data Engineering ( 9 hours)
- Coursera: Introduction to Relational Databases (RDBMS) ( 15 hours)
- Coursera: Databases and SQL for Data Science with Python ( 20 hours)

## LANGUAGES

Tigrinya: Native  
English: Expert  
German: Business Fluent  
Amharic: Expert  
Arabic: Expert

## INTEREST

- Playing football: Engaging in the exhilarating sport of football provides an active outlet for physical fitness, teamwork, and the joy of competing.
- Watching movies: The captivating experience of watching movies allows for immersion in different narratives, Emotions and visual storytelling.
- Spending time with friends: Sharing moments and creating cherished memories with friends fosters connections, laughter, and a sense of belonging in a supportive social circle.