

Joel John Otchere-Baffour

Full-Stack Engineer (Web and Data)

Location: Accra, Ghana

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GitHub <https://github.com/codeshark3>

PROFESSIONAL SUMMARY

Full-stack engineer with 5+ years of experience in building web applications, data pipelines and analytics solutions. Delivered production systems and scalable solutions for German companies that improved sales outcomes and operational efficiency. Solid foundation in React, Next.js, TypeScript, Python, and SQL with professional experience supporting business decision-making through data analysis and automation. Adept at adapting to company needs and translating business requirements into reliable, maintainable software.

WORK EXPERIENCE

Web Developer

January 2026 – Incoming Contract. Jivo Group GmbH. Berlin Germany

- Built and delivered client websites using modern frontend tooling based on user defined business and technical requirements using coding agents to accelerate development.
- Review code to ensure production quality.
- Implemented responsive, maintainable UI components using React and TailwindCSS.
- Collaborated with stakeholders to refine requirements and ensure timely delivery.

Technologies: Vite, Lovable, TypeScript, React, TailwindCSS, Supabase, Git, Cursor

Web Developer

July 2025 – December 2025. Smith Berlin GmbH. Berlin Germany

- Developed custom WordPress themes from Figma designs
- Worked with Gitlab CI/CD workflows to support deployment and version control
- Performed maintenance and updates on existing websites improving performance and stability

Technologies: PHP, WordPress, JavaScript, GitLab CI/CD, Cursor

Data Analyst

January 2025 – July 2025. Artcom Venture GmbH. Berlin Germany

- Selected targeted customer demographics for print marketing campaigns contributing to a 2% increase in sales.
- Designed and implemented data pipelines using Luigi to automate recurring tasks and reduce operational overhead.
- Analyzed company data to answer questions for leadership and support decision making.

Technologies: Luigi, Python, Leaddesk, SQL Server, AI Prompting.

Technical Officer

May 2021 – December 2024. CSIR - Water Research Institute. Accra Ghana

- Applied machine learning techniques to address research questions and improve analytical workflows.
- Upgraded the internet infrastructure for the department, resulting in a marked increase in productivity and reliability.
- Led the initiative to develop a biobank management system to store sample data efficiently.

Technologies: Data Analysis, Python Programming, Machine Learning, NextJs, TypeScript, TailwindCSS, Vite

EDUCATION

BSc (Hons) Computer Science

- All Nations University College, November, 2018

PROJECTS

- Personal Portfolio - Personal Portfolio built with NextJs and hosted on Vercel.

Role: Lead Developer **Technologies:** NextJs, Vercel, TypeScript, TailwindCSS

Link: <https://joels-portfolio-beryl.vercel.app/>

- An implementation of a proposed breast cancer diagnostic framework by Aamir et al.

Role: Lead Developer **Technologies:** Python, Pandas, Sklearn

Link: <https://github.com/codeshark3/wdbcmlp.git>

- Tesla Stock Prediction: A random forest model to predict Tesla stock price based on historical S&P500 data scraped from Yahoo Finance.

Role: Lead Developer **Technologies:** Python, Pandas, BeautifulSoup, Sklearn

Link: https://github.com/codeshark3/tesla_stock

WEBSITES BUILT

- <https://www.weststern.org>
- <https://lebens-markisen.de>
- <https://www.karlsruhgarten.de>

CERTIFICATIONS

October 2024 - November 2024, ALX Gig-At-A-Startup

May 2023 - August 2024, ALX Data Science Program Accra, Ghana

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, C, C++, HTML, CSS, PHP

Frontend: Next.js, Vite, React, React Native, WordPress, TailwindCSS, Sass

Backend & Data: Django, Luigi, MySQL, SQL Server, PostgreSQL

Machine Learning & Analytics: Pandas, Scikit-learn, OpenCV, Yolo v8

Database & Platforms: MongoDB, Supabase, Neon DB

Tools & DevOps: Git, GitHub, GitLab CI/CD, Vercel, Cursor, Claude Code, Docker