

Dominion Gbadamosi

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github.com/kiing-dom

EDUCATION

University of Limerick

Bachelor of Science in Computer Science

August 2024

Limerick, Ireland

- **Relevant Coursework:** Data Structures & Algorithms, Discrete Mathematics, Statistics & Probability, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Software Architecture

PROFESSIONAL EXPERIENCE

General Motors

Jun 2022 – Dec 2022

Co-op Software Engineer

Limerick, Ireland

- Developed an on-site seat reservation system collaborating with a cross-functional team, utilizing **Angular** for a dynamic front-end and **Java** for the robust back-end, improving office attendance by **30%**
- Leveraged cloud platforms like AWS and Azure, including **AWS S3** for hosting, scalable data storage and retrieval, and **Azure** for automated CI/CD pipelines and efficient code repository management

University of Limerick

Apr 2023 – Jun 2024

Student Tutor

Limerick, Ireland

- Tutored 20+ students in OOP, Software Architecture, and Design Patterns, improving grades by at least **10%**
- Mentored students in solving algorithmic problems, achieving a **90%** programming assignment completion rate
- Created personalized study plans and assisted with coursework, enhancing overall academic performance

Headstarter AI

Jul 2024 – Sep 2024

Software Engineering Fellow

Remote

- Developed and launched a flashcard SaaS using Next.js, Clerk, Firebase, OpenAI, and Stripe, attracting 100+ visitors
- Received mentorship from an ex-Google Tech Lead and other FAANG engineers on the importance of building.

PROJECTS

FyteSize | GitHub

React Native, Node.js, Firebase, OpenAI

- Developed a cross-platform nutrition tracker for boxers, utilizing React Native for mobile interfaces and Node.js for backend services
- Integrated OpenAI's API to generate personalized meal plans through prompt engineering techniques
- Implemented secure user management and efficient data handling using Firebase Authentication and Firestore
- Conducted testing with my university boxing club, contributing to 2 national title wins in March

Auth the Grid - CLI Password Manager | GitHub

Python, Cryptography, JSON, Termcolor, Pyfiglet

- Developed a secure CLI-based password manager using Python's Cryptography library, implementing SHA-256 hashing, PBKDF2 key derivation, and Fernet encryption
- Designed an intuitive user interface with dynamic ASCII art and custom loading animations for an enhanced CLI experience
- Implemented password management features (add, retrieve, list, save) with JSON-based file storage for persistence
- Integrated GitHub repo access via command-line to showcase and encourage contributions

Streaming Platform | GitHub

Spring Boot, Spring Security, React, AWS, MySQL

- Developed a full-stack streaming platform with **Spring Boot** for backend microservices and **React** for the frontend, utilizing separate repositories for backend and frontend development.
- Created microservices for user management, content management, video streaming, and payments, with their own respective REST APIs
- Implemented **Spring Security** for role-based access control, securing API endpoints, and encrypting passwords
- Integrated AWS services (**S3**, **Elastic Transcoder**, **CloudFront**) for scalable and secure video uploading, storage, and distribution
- Configured CORS to enable secure frontend-backend communication and HTTP Basic authentication

SKILLS

Languages: JavaScript, TypeScript, HTML/CSS, Java, SQL, Go, C++, Python, C#

Technologies/Frameworks: React.js, React Native, Next.js, Angular, Spring Boot, Node.js, Prisma, Tailwind CSS, Bootstrap

Tools: Git, Docker, Jenkins, AWS, Azure, Zustand, JUnit, Figma

Databases: MySQL, PostgreSQL, MongoDB, Firebase