John Dairo

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PROFESSIONAL SUMMARY

Software engineer with hands-on experience building AI-powered pipelines, full-stack web applications, and cross-platform mobile apps. Skilled in LLM integration, OCR systems, RAG architectures, SQL analysis, and cloud-based deployments. Seeking an internship to contribute across AI/ML, data, and full-stack engineering.

EDUCATION

The University of Texas at Dallas **Richardson, TX**
Bachelor of Science, Computer Science | Expected May 2029

SKILLS

Frameworks & Tools: React.js, Node.js, Flutter, LlamaIndex, OpenAI API, Bootstrap, PyMuPDF, Unity, Figma, Visual Studio, AWS, Git, GitHub
Programming Languages: Python, JavaScript, Java, C++, C#, C, HTML
Databases: SQL, Firebase Auth
Operating Systems: Linux, Windows

EXPERIENCE

API & Platform Developer — Nebula Labs (Student Organization) **Sep 2026 – Present**
University of Texas at Dallas | Richardson, TX

- Develop, maintain, and optimize production APIs and platform infrastructure supporting UTD Trends and UTD Rooms, applications used by thousands of students.
- Build, test, and improve features across Node.js, React, Go, and MongoDB stacks, focusing on functionality, reliability, and user experience.
- Use Git and GitHub for version control, pull requests, and code reviews while collaborating with engineers, designers, and product managers to ship platform updates.

AI Data Annotator, Contract Role — Handshake **Mar 2026 – Aug 2026**
Remote

- Trained computer vision and multimodal AI systems through high-accuracy data annotation and validation.
- Applied ontology-driven labeling frameworks and evaluated model outputs to improve dataset reliability.

Advanced AI-Powered Document Insights & Data Extraction Extern — Outamation **Dec 2025 – Feb 2026**
Remote

- Built modular AI-powered pipelines to process 200+ page mortgage document blobs using OCR (Tesseract, PaddleOCR), PyMuPDF, and Retrieval-Augmented Generation (RAG).
- Developed a multi-document retrieval system using LlamaIndex, optimizing chunking, metadata filtering, and open-source LLMs (Mistral, Phi-2) to improve extraction accuracy and search precision.
- Benchmarked OCR accuracy, retrieval quality, and model routing performance; delivered a technical report and demo UI with deployment recommendations.

PROJECTS

JWFL (Japan World Football League) | www.jworldfl.com/ **May 2026 – Present**
Full-Stack Web Developer, Collaborative Project

- Engineered and deployed front-end components for a live soccer simulation platform serving 2,000+ users, with league systems, tournaments, and interactive content.
- Collaborated on production deployment, maintenance, and feature iteration for an actively used platform.

Intel Sustainability Impact Analysis **2026**
SQL Data Analysis Project

- Joined device and environmental impact datasets using SQL to evaluate sustainability opportunities across Intel device populations.
- Engineered device age cohorts and segmented results by device type and region to quantify potential energy and CO_2 savings and identify opportunities for device repurposing.

University Event App **Sep 2025 – Fall 2025**
Group Project

- Built a Flutter mobile app with Figma-designed flows, university credential login, Firebase Auth, and AWS cloud storage.
- Implemented OpenAI API recommendations to curate personalized event feeds while prioritizing scalable, protected user data storage.

ACTIVITIES & LEADERSHIP

National Society of Black Engineers (NSBE), University of Texas at Dallas | Member
African Students Union (ASA), University of Texas at Dallas | Freshman Ambassador
Robotics Club | Member