

Christian Tioye

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OBJECTIVE

Software Engineer with frontend expertise, delivering data-driven dashboards and leading design integration projects. Proven track record building interactive visualizations for healthcare analytics and translating high-resolution designs into responsive web applications. Seeking to apply frontend development and stakeholder collaboration strengths to drive AI engineering solutions.

TECHNICAL SKILLS

- **Programming & Development:** Python, Go, TypeScript, NextJS, APIs, Web Services, AI Frameworks, Node.js, Linux
- **DevOps & Cloud:** AWS, Docker, CI/CD Pipelines, Agile Development, GitLab, Snowflake Data Cloud
- **Data & Tools:** Power BI, PostgreSQL, MongoDB, GraphQL, Figma, ChatGPT, HuggingFace, Cursor AI, Claude Code

WORK EXPERIENCE

HealthTech Solutions

Nov 2024 - Present

Software Development Consultant

Frankfort KY

Developed interactive, data-driven dashboards leveraging Snowflake Data Cloud and Power BI, incorporating agile methodologies to support timely decision-making for state-operated Medicaid programs.

- Engineered visualizations that provided real-time insights into current and future healthcare needs, thereby enhancing program planning, resource allocation, and fraud mitigation.
- Collaborated with stakeholders to identify key performance indicators (KPIs), driving initiatives that enhanced program efficiency and informed service delivery improvements.
- Enhanced reporting capabilities by delivering actionable data that improved operational outcomes, enabling more effective resource management and better service delivery in Medicaid programs
- Crafted, executed, and documented comprehensive test cases for Snowflake healthcare data marts and Power BI dashboards, which ensured data accuracy and reduced reporting errors

Contagency.Agency

Aug 2022 - Dec 2023

Software Development Intern

Remote

Created and implemented technology solutions for diverse clients by translating high-resolution technical design documents into functional and visually appealing websites, leveraging agile development practices for rapid iteration.

- Led website development projects using the WordPress content management platform, ensuring design visions were seamlessly integrated into final products and successfully increased user engagement on client websites
- Collaborated with the Design Team to bring creative visions to life and improved website aesthetics, overseeing ongoing maintenance, content updates, and user experience enhancements that led to smoother site navigation
- Enhanced website performance and responsiveness by demonstrating proficiency in various technologies and tools, which supported streamlined development and deployment processes, resulting in faster load times and improved search engine ranking through implemented SEO strategies

EDUCATION

University of Louisville | Speed School of Engineering

Aug 2020 - Dec 2023

Master of Science, Computer Science and Engineering, Graduated Dec 2023

Louisville, KY

- **Coursework:** Algorithms, Advanced Databases, Applied Statistics, Automata Theory, C/C++/Go/Java Programming, Discrete Mathematics, Distributed Systems, Machine Learning/Data Mining, Networking, Software Engineering, Systems Evaluation

PROJECT EXPERIENCE

Solaire Platform | <https://solaire-lemon.vercel.app>

Sep 2023 - Dec 2023

- Conceptualized and completed my academic capstone project, the Solaire Platform, a comprehensive project management platform for solar energy deployed to the Vercel platform. Incorporates latest data visualizations to power decision making. Highlights include:
 - Full-Stack Development: Implemented a modular technology stack following the latest software development practices.
 - AI Integration: Incorporated AI prediction and routines, automating tasks across various stages of the solar project life cycle.
 - GitLab Pipeline and Testing: Streamlined CICD pipeline, Cypress testing, and integrated Clerk Authentication.
 - Project Components: Remote PostgreSQL database on NeonDB, NextJS dashboard, FastAPI backend Server, Machine Learning Server for regression tasks
 - Challenges Overcome: Successfully navigated challenges, such as automated database restoration, package compatibility, and Git version control. Deploying dockerized ML models to production was overcome through meticulous DevOps mindset

Certifications

- **AWS Certified AI Practitioner - Nov 2025:** Earned the AI certification validating my understanding of AI/ML concepts, generative AI, prompt engineering, and AWS AI services including Amazon Bedrock, SageMaker, and Comprehend and my ability to implement responsible AI practices and architect AI solutions.
- **AWS Certified Cloud Practitioner - Sep 2025:** Earned the foundational AWS certification that validates my understanding of AWS Cloud services, architecture, security, and pricing. This certification demonstrates my ability to define what the AWS Cloud is and the basic global infrastructure.