

Contact

pharmnonso@gmail.com

www.linkedin.com/in/codypharm
(LinkedIn)

codypharm.netlify.app (Portfolio)

Top Skills

Next.js

React.js

hardhat

Chukwunonso Ikeji

Software Engineering | AI & LLM Engineering | Pharmacist
Lagos State, Nigeria

Summary

I am a Software Engineer with 9 years of experience, backed by a background in Pharmacy and Pharmacology. I've spent my career working where clinical science meets distributed systems, understanding both the nuance of medical data and the infrastructure needed to secure it.

In the AI space, I build RAG pipelines specifically for pharmaceutical accuracy. I'm currently engineering systems that can parse clinical papers and trial data with a focus on eliminating the hallucinations common in generic models.

Because of my healthcare roots, compliance like HIPAA and GDPR isn't a checklist item for me; it's the foundation of how I architect systems.

Stack: Python, Solidity, LangChain, Docker, AWS.

I'm a builder at heart. Whether I'm optimizing a model to run on local hardware or architecting a decentralized research protocol, my goal is to make technology work for the life sciences.

Experience

DeCenter AI

Web3 Lead Engineer and cofounder

August 2023 - Present (2 years 6 months)

Gregory Hills, New South Wales, Australia

Led the development of the frontend and Web3 components for a decentralized AI model training platform, utilizing state-of-the-art blockchain and frontend technologies to create a secure, efficient, and user-friendly solution.

Key Responsibilities:

Frontend Development: Designed and implemented user-friendly interfaces using Next.js, TypeScript, and Tailwind CSS, enhancing the platform's accessibility and usability.

Web3 Integration: Built robust smart contracts using Solidity and integrated them with the frontend. Ensured seamless communication between the blockchain and the user interface.

State Management: Utilized Zustand for efficient state management, ensuring a smooth and cohesive user experience across the platform.

Smart Contract Best Practices: Developed smart contracts following industry best practices in blockchain development to ensure security, efficiency, and scalability.

Unit Testing: Wrote comprehensive unit tests for smart contracts to ensure reliability and performance.

Technologies:

Next.js

TypeScript

Tailwind CSS

Zustand

Hardhat

Solidity

Key Achievements:

Successfully built and deployed secure and efficient smart contracts, adhering to industry best practices.

Developed and executed unit tests, significantly improving the reliability and robustness of the smart contracts.

Seamlessly integrated backend services with the frontend, resulting in a streamlined and user-friendly platform.

ZAuth

Software Developer (Founding Member)

May 2024 - February 2025 (10 months)

United Arab Emirates

Collaborating on an innovative project aimed at leveraging the power of the Solana blockchain. My role encompasses product planning, frontend development, and blockchain integration, ensuring a seamless and engaging user experience.

Key Responsibilities:

Product Planning: Leading the strategic planning and roadmap development to align the project's goals with user needs and market trends. Coordinating with cross-functional teams to ensure timely and successful product delivery.

Frontend Development: Designing and implementing responsive and intuitive user interfaces. Utilizing modern web technologies to create a seamless and engaging user experience.

Blockchain Integration: Integrating the project with the Solana blockchain using Solana Web3.js. Ensuring secure and efficient interaction between the frontend and blockchain layers, including smart contract integration and transaction handling.

GamerHub

Fullstack Blockchain Developer

April 2023 - February 2025 (1 year 11 months)

Canberra, Australian Capital Territory, Australia

Developed a Web3 game aggregator platform that rewards gamers for gaming or streaming games. The project leveraged advanced blockchain technologies and a robust backend to create a seamless and rewarding experience for users.

Key Responsibilities:

Smart Contract Development: Built secure and efficient smart contracts using Solidity, adhering to industry best practices in blockchain development.

Backend Development: Developed a robust backend using Express.js, ensuring efficient data management and seamless integration with the frontend and blockchain components.

Frontend Integration: Integrated the frontend developed with React.js with both the Web2 backend and the blockchain smart contracts using ethers.js, ensuring a cohesive and interactive user experience.

Blockchain Integration: Deployed smart contracts on the Binance Smart Chain, ensuring seamless interaction with the frontend and efficient reward distribution for gamers and streamers.

ExC Group of Companies

Pharmacy Intern

July 2023 - July 2024 (1 year 1 month)

Lagos State, Nigeria

Completed a comprehensive internship at a community pharmacy, gaining hands-on experience in various aspects of pharmacy practice and contributing to business performance tracking through data analysis and dashboard creation.

Key Responsibilities:

Drug Dispensing: Accurately dispensed medications, ensuring proper dosage and adherence to prescription guidelines.

Patient Counseling: Provided valuable advice and information to patients regarding their medications, usage, and potential side effects, ensuring optimal therapeutic outcomes.

Prescription Analysis: Analyzed and verified prescriptions for accuracy, completeness, and potential drug interactions, ensuring patient safety.

Dashboard Development: Built a dashboard for the company to track business performance, leveraging data analysis to provide actionable insights and improve operational efficiency.

Data Analysis: Conducted data analysis to monitor and improve business processes, contributing to better decision-making and enhanced pharmacy operations.

Pharmacy Operations: Assisted in various pharmacy-related tasks, including inventory management, record-keeping, and customer service.

Key Achievements:

Successfully dispensed medications and provided patient counseling, contributing to positive patient outcomes and satisfaction.

Developed a comprehensive dashboard that improved business performance tracking and provided valuable insights for operational improvements.

Conducted data analysis that enhanced decision-making and optimized pharmacy operations.

Learners Network

Software Engineer (Frontend)

October 2023 - May 2024 (8 months)

Singapore

Collaborated on a cutting-edge project designed to revolutionize user interactions through advanced web technologies and seamless backend

integration. The project aimed to create a dynamic, user-friendly platform that leverages the power of AI and blockchain technology to deliver an innovative and engaging user experience.

Key Responsibilities:

Frontend Development: Designed and implemented responsive and intuitive user interfaces using Next.js, Tailwind CSS, Apollo GraphQL, and TypeScript. Focused primarily on integrating the backend and associated AI responses with the frontend, ensuring a cohesive and efficient interaction.

User Experience Implementation: Translated the prototype into a fully functional and easy-to-use product. Implemented the user experience as expressed on the prototype, enhancing overall usability and user satisfaction.

Freshcoast blockchain

Fullstack Blockchain Developer

January 2022 - March 2023 (1 year 3 months)

Michigan, United States

Contributed to the development of blockchain-powered applications, focusing on creating seamless user experiences and robust backend solutions.

Key Responsibilities:

UI/UX Collaboration: Collaborated with UI/UX designers to create efficient workflows and translate designs into functional frontend interfaces.

Frontend Development: Implemented frontend designs using Next.js, HTML, Tailwind CSS, and integrated them with blockchain backends using Moralis, ensuring optimal user interaction and experience.

Blockchain Integration: Developed smart contracts using Solidity and deployed them using Hardhat. Ensured secure and efficient interaction between frontend and blockchain components.

Play-to-Earn Game Development: Created smart contracts for a play-to-earn game, implementing game mechanics and ensuring fair gameplay.
