

# TEMITAYO DAISI-OSO

Software Engineer | Project Manager | Full-Stack Developer

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[Portfolio](#) | [LinkedIn](#) | [GitHub](#) | Discord: theAstralProgrammer0

## PROFESSIONAL SUMMARY

Results-driven Software Engineer and Project Manager with 7+ years of experience delivering scalable full-stack applications, digital transformation projects, and blockchain solutions across telecommunications, healthcare, fintech, and government sectors. ALX-certified Systems Programmer and Full-Stack Developer with deep expertise in React, Next.js, Django, PostgreSQL, and blockchain technologies. Demonstrated success leading cross-functional teams, architecting robust systems, and implementing DevOps automation that reduces deployment time by 70% and improves backend performance by 55%. Strong background in Agile project management, UI/UX design, and cost optimization strategies. Proven ability to drive digital transformation initiatives from conception through deployment while maintaining focus on user-centric development and data security.

## CORE COMPETENCIES

### Technical Leadership & Project Management

Agile Project Management | Sprint Planning & Execution | Cross-Functional Team Leadership | Technical Requirements Documentation (PRD/TDD) | Stakeholder Management | Product Lifecycle Management | Code Reviews & Quality Assurance

### Frontend Development & UI/UX Design

React.js | Next.js | TypeScript | JavaScript | Responsive Web Design | Tailwind CSS | Bootstrap | UI/UX Design (Figma) | User Journey Mapping | User Story Creation | Design-to-Code Implementation | Progressive Web Apps

### Backend Engineering & API Development

Node.js | Express.js | Django | Flask | RESTful API Design | Microservices Architecture | Serverless Architecture | API Integration | Data Validation | Authentication & Authorization | Token Management

### Database Management & Optimization

PostgreSQL | MongoDB | Redis | Database Design & Modeling | Entity Relationship Mapping | ORM Implementation (Prisma, SQLAlchemy, Mongoose) | Data Migration | Performance Optimization | Caching Strategies | Database Seeding

### DevOps & Infrastructure Management

CI/CD Pipeline Development | Docker | Bash Scripting | Deployment Automation | VPS Management | Server Configuration | Performance Monitoring | Infrastructure as Code | Version Control (Git) | Hosting & Deployment (Hostinger, Cloud Platforms)

### Blockchain & Web3 Development

Solidity | Smart Contract Development | NFT Development & Minting | IPFS Integration | Hardhat Framework | dApp Architecture | Web3.js | OpenSea Integration | Blockchain Security Best Practices

## PROFESSIONAL EXPERIENCE

### Chief Technology Officer & Lead Engineer

*Xeventy2.0 Health Limited, Lagos, Nigeria*

December 2024 - Present

*Leading comprehensive technology strategy and development initiatives for a digital health company, focusing on creating a data-secure and interoperable Electronic Medical Records (EMR) system with emphasis on data privacy, security, and responsive multi-device design across desktop, tablet, and mobile platforms.*

#### Key Responsibilities:

- Spearhead planning and execution of multiple application suites for digital health platform
- Define technical architecture and development roadmap for EMR system implementation
- Design comprehensive UI/UX for multi-device compatibility with enhanced responsiveness
- Develop full-stack landing page using Next.js, React, TypeScript, and Tailwind CSS utility-first framework
- Architect and implement Django backend API with PostgreSQL and Redis integration for persistence and caching
- Ensure seamless API integration between frontend and backend in alignment with design requirements
- Oversee database seeding with custom health articles and educational content

#### Key Achievements:

- Reduced overall project costs by 100% through strategic implementation of open-source solutions
- Successfully deployed both frontend and backend applications to production environments
- Reduced initial load time by 90% through implementation of effective caching mechanisms
- Increased user retention by 25% through strategic content seeding and optimization

### Project Manager & Lead Engineer

*Lagos State Informal Space Management Authority, Nigeria*

July 2025 - January 2026

*Orchestrated and built a robust frontend web application as part of a full-stack digital web portal for a state-level digital transformation project designed to serve public-facing users across Lagos State. Led technical implementation using React with Vite, TypeScript, and modern CSS frameworks.*

#### Project Management & Planning:

- Provided comprehensive PRD and TDD documentation based on stakeholder meetings
- Implemented Agile methodologies for sprint planning and team coordination
- Conducted user research and created storyboards for user-centric design approach
- Crafted detailed user stories and acceptance criteria for development team

#### Technical Implementation:

- Built scalable React frontend using Vite build tool with TypeScript for type safety
- Designed responsive user interfaces using Figma with focus on usability and accessibility
- Created Entity Relation Map (ERM) for efficient relational database data storage and retrieval
- Developed automation scripts for deployment processes and bug fixes
- Managed deployment and hosting responsibilities ensuring platform uptime and reliability

#### Key Achievements:

- Engineered seamless design-to-code flow, accelerating UI implementation cycles by 55%
- Delivered scalable and dynamic frontend architecture supporting continued development
- Reduced time-to-deploy by 70% through comprehensive automation scripting
- Successfully deployed frontend application to Hostinger with high availability

Backend Engineer

Global Relocate, Hamburg, Germany

October 2025 - December 2025

Joined project mid-development to restructure and optimize backend architecture, focusing exclusively on backend engineering tasks including database optimization, data flow enhancement, and seamless frontend integration.

Key Responsibilities:

- Redesigned backend architecture using PostgreSQL and Prisma schema for optimal frontend integration
- Implemented comprehensive body validation parsers to maintain data integrity and prevent corruption
- Integrated AI-driven content generation system for dynamic database population
- Managed complete backend migration from one VPS to another maintaining data integrity
- Created sophisticated deployment scripts for streamlined local-to-production updates
- Developed German tax calculator with extensible framework for country-specific implementations

Key Achievements:

- Reduced AI prompting costs by 77% through optimization of resource usage
- Efficiently seeded PostgreSQL database with AI-generated content for 250 countries
- Ensured 100% data preservation during VPS migration with zero downtime
- Eliminated manual intervention by 100% through dynamic backend automation

Technical YouTube Scriptwriter

LetsRock Media, Tuttlingen, Germany

September 2024 - November 2024

Crafted engaging, data-driven YouTube scripts and streamlined content production pipeline for digital media brand, contributing directly to sustained audience growth and retention through analytical storytelling techniques.

Key Responsibilities:

- Researched and authored scripts tailored to targeted audience demographics and channel tone
- Analyzed engagement metrics including likes, shares, and comments to refine content strategy
- Developed internal automation tools for script ideation and delivery workflow optimization
- Maintained rigorous delivery schedule to consistently meet content production deadlines

Key Achievements:

- Boosted viewer retention and engagement by 60% through data-driven storytelling
- Enhanced production efficiency by 33%, reducing content turnaround time

Founder & Chief Executive Officer

Ticquette LLC, Lagos, Nigeria

August 2024 - September 2024

Spearheaded conceptualization, engineering, and development of innovative blockchain dApp that mints Kiosk Space objects into NFTs, persists metadata, and automatically lists NFTs on OpenSea marketplace for sale or auction.

Key Responsibilities:

- Conceived and designed complete product with unique value proposition for hackathon competition
- Designed comprehensive backend infrastructure and smart contract interaction layer
- Developed Express backend and Solidity smart contracts for NFT minting and persistence
- Implemented full CRUD operations for NFT metadata storage and retrieval
- Utilized Pinata SDK for IPFS metadata pinning and content addressing

Key Achievements:

- Reduced overall project costs by 100% through strategic use of open-source solutions
- Built scalable backend API and smart contracts with metadata pinning and data caching
- Implemented auto-listing feature eliminating manual NFT listing requirements
- Finished as top finalist in hackathon, sharing in competitive prize pool

Lead Engineer

GiveAid Foundation, Lagos, Nigeria

June 2023 - July 2023

Directed small engineering team to deliver full-stack web application for philanthropic initiative, focusing on secure donation processing, backend performance optimization, and end-to-end platform development.

Key Responsibilities:

- Oversaw end-to-end development and deployment of feature-rich donation platform
- Conducted Agile sprints, code reviews, and team retrospectives to maintain velocity
- Integrated PayStack payment gateway for secure online donation processing
- Designed and implemented secure refresh token system for user authentication
- Streamlined engineering processes, tooling, and development workflows

Key Achievements:

- Improved backend performance by 55% through tokenization and optimization
- Enhanced team efficiency by 75% through workflow redesign and task delegation
- Improved donor trust and platform usability through secure payment integration

Systems Administrator (Intern)

ipNX Nigeria Limited, Lagos, Nigeria

July 2017 - January 2018

Supported IT infrastructure of leading telecommunications provider by maintaining systems, onboarding users, resolving network issues, and managing server configurations to improve overall operational uptime and performance.

Key Responsibilities:

- Installed essential software and prepared workstations for 20+ new employees
- Performed comprehensive diagnostics and resolved hardware/software issues on-site and remotely
- Configured and maintained on-premises bare-metal servers for internal operations
- Delivered routine maintenance and troubleshooting of network infrastructure components

Key Achievements:

- Reduced employee downtime by 80% through proactive server configuration and issue resolution
- Improved network stability by 70% via in-depth system analysis and rapid troubleshooting

EDUCATION & PROFESSIONAL DEVELOPMENT

ALX Software Engineering Program

Nanodegree in Software Engineering

April 2023 - October 2025

- Specialization in Backend Engineering
- Foundations in Software Engineering and Leadership Training
- Comprehensive curriculum covering full-stack development, algorithms, and system design

University of Lagos

Bachelor of Science in Electrical Electronics Engineering

July 2017 - March 2023

- Member of Society of Electrical Engineering Students (S.E.E.S)
- Participant in Professor Ayodele Awojobi Design Competition (P.A.A.D.C)
- Member of Nigerian Society of Engineers, Lagos (N.S.E)

National Youth Service Corps

July 2025 - August 2025

- City and Guilds Certification in Electrical Installation
- City and Guilds Certification in CCTV Installation
- Elected Group Leader during skills training program

Good Shepherd Schools

Senior Secondary School Certificate Examination

September 2010 - September 2016

- Graduated with 8 distinctions and 1 credit
- Elected "Punctuality Prefect"
- Vice-President of the Jets Club Society

PUBLICATIONS & TECHNICAL WRITING

Technical Blog: [the-astral-programmer0.hashnode.dev](https://the-astral-programmer0.hashnode.dev)

Author of comprehensive technical articles focused on software engineering fundamentals, version control systems, web architecture, and developer tooling. Articles demonstrate deep understanding of computer science principles and practical development workflows.

Featured Publications:

- "What Happens When You Type google.com in Your Browser and Press Enter"**  
Comprehensive exploration of web infrastructure covering DNS resolution, TCP/IP protocols, HTTP/HTTPS requests, server processing, browser rendering engines, and the complete request-response cycle. Demonstrates understanding of networking fundamentals and full-stack architecture.
- "Clone Repository via SSH Authentication"**  
Step-by-step tutorial on implementing secure Git repository access using SSH key-based authentication. Covers SSH key generation, configuration, GitHub integration, and security best practices for version control systems.
- "Cloning a Repository via HTTPS with Fine-Grained Personal Access Token (PAT)"**  
In-depth guide on GitHub authentication mechanisms using fine-grained Personal Access Tokens. Explores modern authentication best practices, token scoping, security considerations, and HTTPS-based repository access workflows.
- "Why Is My Program Not Pausing?"**  
Practical debugging guide addressing common program execution issues, buffer flushing problems, and I/O stream behaviors. Provides systematic troubleshooting approaches for developers encountering unexpected program flow issues.

Writing Focus: Web architecture, version control systems, DevOps workflows, software engineering best practices, debugging techniques, and developer productivity tools.

PROFESSIONAL CERTIFICATIONS

Software Engineering & Development:

[ALX Software Engineer and Full-Stack Developer Certificate](#) | [HackerRank Software Engineer](#) | [HackerRank Software Engineering Intern](#) | [HackerRank Problem Solving](#)

Programming & Technologies:

[HackerRank Python Programmer](#) | [HackerRank Frontend React](#)

Technical Installation:

[City and Guilds Electrical Installation](#) | [CCTV Camera Installation](#)

## AWARDS, HONORS & PROFESSIONAL ACTIVITIES

### Hackathons & Competitions:

- [VWDA 3.0 Blockchain for Good Alliance \(BGA\) Hackathon Participant](#) (December 2024)
- [VWDA 2.0 Aleo Foundation Hackathon - Top Finalist, Prize Pool Recipient](#) (August 2024)
- [GenZHackFest, University of Lagos](#) (September 2023)
- [Hacktober Fest, University of Lagos](#) (October 2023)

### Leadership & Professional Development:

- [ALX-Mastercard Foundation Leadership Program Graduate](#)
- [Active participant in software engineering and blockchain development communities](#)

## TECHNICAL PROFICIENCIES

### Programming Languages:

JavaScript, TypeScript, Python, Solidity, C, C++, C#, Bash Scripting, Assembly, HTML/CSS

### Frontend Technologies:

React.js, Next.js, Vite, Tailwind CSS, Bootstrap, JQuery, AJAX, Jinja, Responsive Design, Progressive Web Apps

### Backend Technologies:

Node.js, Express.js, Django, Flask, RESTful APIs, Microservices, Serverless Architecture

### Databases & Data Management:

PostgreSQL, MongoDB, Redis, Prisma ORM, SQLAlchemy, Mongoose ORM, Database Design, Data Migration

### Blockchain & Web3:

Solidity, Hardhat, IPFS (Pinata SDK), Web3.js, Smart Contracts, NFT Development, OpenSea Integration

### DevOps & Infrastructure:

Docker, Git, CI/CD Pipelines, Bash Scripting, Puppet, VPS Management, Deployment Automation, Cloud Hosting

### Design & Project Management:

Figma, UI/UX Design, Agile Methodologies, Scrum, PRD/TDD Documentation, User Story Mapping, Entity Relationship Modeling

### Additional Technologies:

Embedded Systems, IoT Programming, Systems Administration, Network Configuration

## CORE COMPETENCIES & SOFT SKILLS

Leadership & Team Management | Strategic Thinking & Planning | Critical Thinking & Problem-Solving | Effective Communication | Cross-Functional Collaboration | Adaptability & Learning Agility | Stakeholder Management | Time Management | Analytical Thinking | Attention to Detail

## LANGUAGES

**English:** Native Proficiency | **French:** Professional Working Proficiency | **German:** Professional Working Proficiency