


# TIMILEYIN PELUMI

Software Engineer

 Lagos, Nigeria |  [hey@builtbytim.dev](mailto:hey@builtbytim.dev) |  <https://builtbytim.dev>

## Profiles

 [builtbytim](#)

 [timileyinpelumi](#)

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## Summary

I'm a full-stack software engineer based in Nigeria, passionate about building high-performance, scalable applications that create real-world impact.

I specialize in web development, artificial intelligence, and blockchain. I turn complex ideas into clean, user-focused products. My expertise spans Python, JavaScript, and modern frameworks like FastAPI and Next.js, with a strong foundation in computer engineering and systems design.

From backend architecture to pixel-perfect interfaces, I build secure, maintainable solutions that scale efficiently and drive business results.

I'm currently open to remote opportunities where I can contribute to bold, innovative products, collaborate with world-class teams, and grow as a technical leader.

## Experience

Freelance & Remote Projects

Jan 2025 - Present

Senior Full Stack Engineer

<https://builtbytim.dev/#projects>

Building data-driven web applications with focus on blockchain and AI integration. Specialized in creating innovative solutions that combine web3 technology with practical user needs.

- Developed Moonshill, a web3 marketing platform that secured 2nd place in the BlessNet Hackathon
- Built and launched a blockchain staking platform generating \$30K in revenue
- Created PromptSifter, an AI prompt curation platform serving the growing AI community

ChainPal

Nov 2024 - Apr 2025

Full Stack Engineer

<https://chainpal.org>

Led end-to-end development of an AI-enabled blockchain payment gateway, bridging traditional banking with DeFi for businesses and freelancers.

- Architected and implemented complete payment infrastructure enabling crypto-to-fiat transactions
- Built merchant dashboard with payment link generation, invoice management, and automated payout processing
- Developed secure user authentication and business verification system
- Integrated cross-border payment processing with real-time currency conversion

Venixs Inc

Sep 2024 - Dec 2024

Python Backend Engineer

Nigeria

Led backend development initiatives focusing on payment systems, customer support infrastructure, and performance optimization.

- Implemented robust recurring card charging system for subscription management, significantly improving payment success rates
- Developed comprehensive ticketing system for streamlined customer issue resolution
- Optimized API performance through strategic caching and query improvements
- Refactored core backend services to improve code efficiency and reduce technical debt

## Education

Federal University of Technology, Akure

2019-2024

Computer Engineering

Bachelor of Engineering

<https://futa.edu.ng>

## Projects

ChainPal

ChainPal is an AI-enabled blockchain payment gateway for businesses and freelancers.

<https://chainpal.org>

### Key Contributions:

- Architected and implemented complete payment infrastructure enabling crypto-to-fiat transactions
- Built merchant dashboard with payment link generation, invoice management, and automated payout processing
- Developed secure user authentication and business verification system
- Integrated cross-border payment processing with real-time currency conversion

### PromptSifter

Discover quality prompts curated by professionals across different expertises - from developers to marketers, writers to analysts.

<https://promptsifter.bytim.xyz>

### Key Contributions:

- Built complete authentication system with social logins and secure sessions
- Developed automated prompt quality verification with multi-factor scoring
- Implemented extensive filtering system with real-time search and categorization
- Created offline-first architecture with seamless data syncing and caching

### Moonshill

AI-powered multi-platform shilling engine for Web3 communities. Amplify your crypto project with intelligent meme generation and strategic posting.

<https://moonshill.pages.dev>

### Key Contributions:

- Built AI-powered content generation system for memes and marketing materials
- Developed multi-platform automation for Twitter, Telegram, and Discord
- Implemented prompt tuning for maximum human-like post generation
- Created smart engagement system with anti-bot detection mechanisms

## Skills

### React

● ● ● ● ●

### Next.JS

● ● ● ● ●

### Javascript

● ● ● ● ●

### Typescript

● ● ● ● ●

### TailwindCSS

● ● ● ● ●

### Python

● ● ● ● ●

### Node.JS

● ● ● ● ●

### FastAPI

● ● ● ● ●

### Solidity

● ● ● ● ●

### Cursor

● ● ● ● ●

### AWS Cloud

● ● ● ● ●

### Docker

● ● ● ● ●

### OpenAI

● ● ● ● ●

### LangChain

● ● ● ● ●

### System Design

● ● ● ● ●

## Interests

Designing and launching microproducts

Emerging technologies, AI systems & autonomous agents

Reading technical blogs, protocol whitepapers & dev research

Experimenting with full-stack dev tools & backend architectures

Touching grass

## Publications

The Future of Cross-Chain Communication: Understanding LayerZero

Oct 2024

DEV.to

<https://dev.to/timileyinpelumi/the-future-of-cross-chain-communication-understanding-layerzero-3o44>