# EMMANUEL ELUSIE

**Software Engineer (Backend-Focused Systems Developer)**

Aba, Abia State, Nigeria | Remote | On-site

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## Professional Summary

Software Engineer with strong backend engineering focus building APIs, automation systems, and integration-driven applications. Experienced in designing scalable service logic, webhooks, and AI-powered workflows using Java, Python, and JavaScript ecosystems. Known for turning complex processes into automated software solutions — from payment integrations and bots to backend-driven applications.

Combines engineering and communication skills as a published fiction author, demonstrating ability to translate complex technical concepts into structured systems and narratives.

## Core Technologies

**Languages:**

- ✓ Java
- ✓ Python
- ✓ JavaScript
- ✓ TypeScript
- ✓ C#
- ✓ C/C++

**Backend & Frameworks:**

- ✓ Spring Boot
- ✓ Node.js
- ✓ Express
- ✓ .NET
- ✓ REST API Design
- ✓ Webhooks
- ✓ System Architecture

**Databases:**

- ✓ MySQL
- ✓ MongoDB
- ✓ SQL

**Automation & Integrations:**

- ✓ Telegram Bots
- ✓ Facebook API
- ✓ Webhooks
- ✓ AI integrations
- ✓ OCR processing

**Tools & Concepts:**

- ✓ Git
- ✓ OOP
- ✓ Data Structures & Algorithms
- ✓ Debugging
- ✓ Software Design
- ✓ Problem Solving

# KEY ENGINEERING PROJECTS

## API & Automation Systems

### VTU Backend Service

- Designed backend logic for digital transaction workflows
- Implemented wallet balance checks and request processing architecture
- Structured service logic to support reseller and customer operations

### Facebook & Messaging Automation Bots

- Built webhook-driven integrations handling automated responses and event triggers
- Developed API communication layers between external platforms and backend logic
- Implemented AI-assisted content generation workflows

### Telegram AI Chat Bot

- Created conversational system processing user messages and automated responses
- Integrated external AI services and command-based automation features

## Software Applications

### USSD Simulation Application

- Implemented menu-driven backend interaction system
- Designed request-response logic replicating telecom USSD flow architecture

### Student Management System (Java)

- Developed database-driven application managing records and operations
- Implemented structured data handling and object-oriented architecture

### Chat Application (Python)

- Built real-time communication system demonstrating networking concepts
- Implemented client-server message handling

### Sound Recorder System (Java + MySQL)

- Developed media processing system storing and managing audio records
- Implemented persistent storage handling and structured file management

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## Research & Experimentation Projects

- OCR text extraction chatbot
- Cryptocurrency & data scraping automation scripts
- Portfolio CMS system for live content updates
- Backend webhook listeners for external services

## Experience

### Freelance Software Developer — Self Employed

**2021 – Present**

- Developed backend-driven applications and automation tools for clients
- Designed APIs and structured application logic for reliability and maintainability
- Built integrations connecting third-party services through webhooks and scripts
- Delivered multiple custom software solutions across web and messaging platforms

## Technical Intern — Clintonel Innovation Centre

**2023/2024 - 2023/2024**

- Worked on technical problem solving and engineering projects
- Participated in collaborative system design and prototyping
- Strengthened debugging and applied engineering workflow skills

## CERTIFICATIONS

**Cisco Networking Academy — Python Essentials 1 (2024)**
Skills: programming logic, debugging, problem solving, Python scripting

**National Youth Service Corps (NYSC) — Certificate (2025)**
Skills: communication, accountability, documentation & reporting, team collaboration, adaptability | Focus: Teaching (Digital Technology)

## Education

**Bachelor of Technology (B.Tech) — Computer Science (2024)**
Federal University of Technology, Owerri — Second Class Upper Division

## Publication

**Author —** *Ashes of Eden* **(Dark Fantasy Romance)**
A modern fantasy narrative exploring complex cause-effect systems, character logic, and structured storytelling — demonstrating advanced communication and structured thinking skills transferable to software design and architecture.

## ADDITIONAL STRENGTHS

- Analytical & critical thinker

- Strong self-learning ability across technologies

- Comfortable working independently or in distributed teams

- Able to translate real-world processes into programmable logic