# Oladele Uthman

Backend Developer & Software Engineer

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Website

## PROFESSIONAL SUMMARY

Backend developer with experience in **Go** and **PHP**. Built **APIs**, **CLI tools**, AI-assisted applications, and lexical analyzers. Experienced in parser theory, computation engines, and document-processing systems. Focused on creating **reliable, maintainable, and efficient software**.

## TECHNICAL SKILLS

### Programming Languages

Go    PHP 8    JavaScript    Bash

### Frameworks & Libraries

Laravel    SvelteKit    PHPMailer    REST APIs

### Databases & Cloud Services

MySQL    PostgreSQL    Supabase

### DevOps & Specialized Skills

CI/CD    Docker    Git    Lexical Analysis

Language Design    Security & 2FA

## NOTABLE PROJECTS

### GoLexer – Lexical Analyzer (August 2025)

github.com/codetesla51/golexer

Go library to transform source code into tokens for compilers and analysis tools. Designed as a learning project for compiler design concepts.

- **1700+ validated tokens** across complex, real-world code patterns
- 50+ built-in token types for modern programming constructs
- JSON configuration for custom keywords
- UTF-8 Unicode support

Go    Compiler Design    JSON

### Axion Calculator – Math Engine (August 2025)

github.com/codetesla51/Axion

CLI calculator with precise expression parsing and multiple scientific functions.

- **99% accuracy** in operator precedence
- Supports 10+ functions: log, sin, cos, exp, etc.
- Persistent JSON-based history and unit conversions

Go    CLI    Mathematical Computing

### Brevity – AI PDF Summarizer (October 2024)

Live Preview

Summarized **500+ documents**, used by students for study efficiency. Customizable summarization levels and section targeting for workflow optimization.

- AI-powered document processing with targeted section summarization
- PDF-to-PDF output generation
- Modern responsive web interface built with SvelteKit
- Secure Laravel backend with MySQL

Laravel    MySQL    SvelteKit    AI Integration

### SWIFT2FA – Secure 2-Factor Authentication (November 2024)

github.com/codetesla51/swift2FA

A secure and easy-to-use PHP library for implementing two-factor authentication.

- Implemented support for authenticator apps, email via PHPMailer, and SMS via Twilio.
- Designed with built-in encryption for secret keys and QR code generation for simple user setup.
- Provided flexible time-step settings and SMTP/SMS delivery options.

PHP    PHPMailer    Twilio    Encryption    Security & 2FA

## SOFT SKILLS

- **Fluent in English** — clear written and verbal communication
- **Strong self-learner** — independently mastered Go, backend design, and advanced parsing
- **Collaborative mindset** — ready to adapt to team workflows and code review practices