

DANIEL KEYA

Full-Stack Software Developer | Go · PHP · Python

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PROFESSIONAL SUMMARY

Full-stack developer trained at Zone01 Kisumu, a project-based engineering school where every deliverable is peer-reviewed to a professional standard. Experienced in Go, PHP/Laravel, and Python, having shipped a production algorithmic trading platform, a REST API with WebSocket notifications and role-based access control, and reusable authentication middleware. Comfortable across the stack, from systems programming and API architecture to Laravel web applications.

TECHNICAL SKILLS

Languages: Go, PHP, Python, JavaScript, Bash/Shell, SQL

Backend & APIs: Laravel 13, Gin, net/http, REST API Design, WebSockets (Laravel Reverb), JWT, Sanctum, Swagger/OpenAPI

Databases: MySQL, PostgreSQL, SQLite, Supabase

DevOps & Tools: Docker, Git, GitHub Actions, Railway, Linux, Composer, npm

CS Fundamentals: Data Structures & Algorithms, Concurrency (goroutines, channels), Test-Driven Development

EXPERIENCE

Founder & Lead Developer, Algodck

Jan 2026 – Mar 2026

algodck-1.onrender.com/app · Kisumu, Kenya

- Built a full-stack algorithmic trading platform for Deriv markets with a no-code strategy builder, automated trading bots, and a backtesting engine that runs strategies against historical data before live deployment.
- Designed a strategy marketplace where users publish, share, and monetise trading algorithms, and integrated third-party market-data and analytics APIs.
- Owned deployment end-to-end on Railway with a CI/CD pipeline, managing all infrastructure independently.

Full-Stack Developer (Trainee), Zone01 Kisumu

2025 – Present

Kisumu, Kenya

- Built a full-stack Leave Management System in PHP/Laravel 13 with Sanctum token auth, role-based access control, real-time WebSocket notifications, and a documented REST API covered by 16 automated tests (31 assertions).
- Shipped multiple Go systems covering concurrency (goroutines, channels, fan-out/fan-in) and production-style REST APIs, including a net/http web server and a text-transformation engine, built without external frameworks.
- Maintained a public Data Structures & Algorithms repository and authored technical tutorials on Go, PHP/Laravel, and backend development, published on dev.to.

NOTABLE PROJECTS

Algodck — Go, Python, Full-Stack, Algorithmic Trading — *algodck-1.onrender.com/app*

- End-to-end trading platform for Deriv markets with a custom indicator builder, bot marketplace, and backtesting engine; deployed on Railway.

Leave Management System — PHP, Laravel 13, MySQL, WebSockets — *github.com/keyadaniel56/leave-management-system*

- Production-ready leave platform with Sanctum auth, admin/employee RBAC, real-time push notifications, Swagger docs, and a one-command setup script.

Auth Middleware — Go — *github.com/keyadaniel56/authmiddleware*

- Production-style JWT authentication middleware with role-based access control and secure request handling patterns.

ASCII Art Web & Go-Reloaded — Go, net/http — *github.com/keyadaniel56/ascii-art-web · go-reloaded*

- Two standard-library-only Go tools: a web server rendering text as ASCII art via custom HTML templating, and a text-transformation engine handling case, number-base, and punctuation rules.

EDUCATION & TRAINING

Full-Stack Developer Programme, Zone01 Kisumu

2025 – Present

Intensive, project-based programme with no lectures — every project peer-reviewed against a professional standard. Curriculum: Go, PHP/Laravel, databases, REST API design, authentication, concurrency, and DevOps fundamentals.