DAVIS KUNYU WAMALWA

Lead Software Developer · Computer Science Graduate

Software Engineering · Cybersecurity · Blockchain & AI · IT Infrastructure

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PROFESSIONAL SUMMARY

Lead Software Developer at D&V Technologies and Computer Science graduate (Second Upper-Class Honours, GPA 63.0%, CUEA 2025; specialisation in IT Security). Builds, secures and deploys full-stack web applications (PHP/Laravel, React, JavaScript, Python) and manages the hosting infrastructure behind them (VPS, HestiaCP, Cloudflare, Vercel, Supabase, MySQL). Additional depth in ethical hacking and penetration testing, Linux/UNIX administration, networking, Ethereum smart contracts and data science, backed by hands-on enterprise ICT experience at PCK Postal Corporation of Kenya. Delivers secure, scalable solutions from requirements to deployment, and seeks to contribute to forward-looking teams in software engineering, cybersecurity, AI or blockchain.

TECHNICAL SKILLS

Programming Languages	Java · Python · C++ · PHP · TypeScript · JavaScript · Dart · SQL · Bash · HTML5 · CSS3	**Web & Mobile Development**	Laravel · React · Angular · WordPress · Flutter/Dart · Android Studio · REST APIs · JSON/XML · Responsive Design
Cybersecurity	Ethical Hacking · Penetration Testing · Kali Linux · Vulnerability Assessment · OWASP Top 10 · Web App Security · Burp Suite · Nmap · Wireshark · Encryption	**Blockchain & Web3**	Ethereum · Solidity · Smart Contracts · Cryptography · Decentralised Applications (dApps)
Infrastructure & DevOps	Linux/UNIX Administration · VPS Management · HestiaCP · Cloudflare (DNS, CDN, Security) · Vercel · Git/GitHub · Backups & Access Control	**Databases & Data**	MySQL · Supabase · SQL · Hadoop · Big Data Analytics · Machine Learning Basics · Data Visualisation
Networking	LAN/WAN · IP Addressing · Subnetting · Router/Switch Configuration · Wi-Fi · VPN · Structured Cabling	**AI & Tools**	Local LLMs (Ollama) · AI-Assisted Development · Postman · Google Analytics · Google Maps API
Professional Skills	Technical Leadership · Problem Solving · Technical Documentation · Client Communication · Time Management	**Practices**	Agile Workflow · Version Control · Secure Coding · Requirements Gathering

PROFESSIONAL EXPERIENCE

Lead Software Developer
2025 – Present

D&V Technologies · Nairobi, Kenya *(Full-time)*

- Lead the design, development and deployment of client web applications and business websites using PHP/Laravel, React and WordPress, from requirements to production.
- Own technical architecture, code quality and delivery timelines; guide technical decisions and coordinate development tasks across projects.
- Manage production infrastructure: VPS hosting, HestiaCP, Cloudflare DNS/CDN/security, Vercel deployments, and Supabase/MySQL databases.
- Handle client technical engagement: requirements gathering, solution demos, deployment and post-launch maintenance, including Bridan Design Build.
- Apply security hardening across hosted projects: access control, backups, SSL/TLS and Cloudflare protection.

ICT Intern
May 2024 – Aug 2024

PCK Postal Corporation of Kenya · GPO Nairobi CBD *(Internship)*

- Administered enterprise network infrastructure: routers, switches, Wi-Fi access points and structured cabling.
- Performed hardware and software maintenance, diagnosing and resolving technical incidents.
- Managed server administration: backups, user accounts, access control and OS installations.
- Provided end-user IT support, including Zimbra email administration and software configuration.
- Conducted cybersecurity assessments using Kali Linux for penetration testing and network audits.

Freelance Software & Web Developer

Ongoing

Self-Employed · Remote *(Freelance)*

- Designed and delivered web applications, Android apps and responsive websites for clients.
- Built and customised WordPress sites with Google Analytics integration for performance insights.
- Researched and implemented blockchain/Web3 decentralised application concepts.
- Provided academic writing and technical tutoring in Computer Science topics.

Network / Internet Service Technician

Apr 2022 – Jan 2023

Self-Employed · Dagoretti, Nairobi *(Contract)*

- Set up and managed LAN/WAN infrastructure: structured cabling, routers, switches and WAPs.
- Installed and optimised Wi-Fi networks for residential and SMB clients.
- Diagnosed and resolved network faults, hardware failures and connectivity issues.
- Delivered IT advisory services on network security and system maintenance.

KEY PROJECTS

Blockchain-Based Digital Voting System

Final Year Project · Ethereum · Solidity · Smart Contracts · Cryptography · Python

Designed and built a fully decentralised, secure online voting platform on Ethereum. Implemented cryptographic voter authentication, smart-contract-enforced integrity, voter anonymity and tamper resistance with no central authority. Graded A in Industrial Attachment, complementing the capstone.

- github.com/daviesqunyu

Traffic Lights Control System (TLCS)

Web Application · JavaScript · PHP · HTML · CSS · Google Maps API

Real-time web-based traffic management system for Nairobi CBD with interactive map visualisation, dynamic signal control and a responsive, intuitive dashboard.

- github.com/daviesqunyu

Bridan Design Build (Client Project)

WordPress · PHP · Cloudflare · Analytics & Maintenance

Website for Bridan Design Ltd, a design-build construction company, delivered under D&V Technologies at the CEO's request: web presence, lead capture, hosting/domain setup and ongoing maintenance.

- buildwithbridan.com | GitHub

Hotel Management System

Web Application · PHP · JavaScript · HTML · CSS · MySQL

Complete online hotel management platform with room booking, reservation workflows, admin dashboard, user roles and reporting. Implements CRUD operations and secure session management.

- github.com/daviesqunyu

EDUCATION

B.Sc. Computer Science – Second Upper-Class Honours (GPA: 63.0%)

Sept 2021 – Oct 2025

The Catholic University of Eastern Africa (CUEA), Nairobi · **Specialisation:** IT Security & Software Development · Graduated 24 October 2025 · Admission No: 1046065

Kenya Certificate of Secondary Education (K.C.S.E) – Grade B Plain

Feb 2017 – Nov 2021

Friends' School Kamusinga · Subjects: Mathematics, Sciences, Languages, Computer Studies

Kenya Certificate of Primary Education (K.C.P.E) – 374 Marks

Jan 2008 – Dec 2016

Mumias Central Primary School · Subjects: Mathematics, Languages, Sciences

CAREER GOALS – 2027

- Secure a full-time role in Software Engineering, Cybersecurity, AI or Blockchain Development in Nairobi.
- Deepen expertise in ethical hacking, secure system design, cloud computing (AWS/GCP) and machine learning.
- Contribute to high-impact, real-world technology projects with measurable business and social outcomes.
- Advance D&V Technologies' engineering delivery toward secure, innovative digital solutions for Kenyan businesses.
- Expand professional network through industry collaboration, innovation communities and open-source contribution.

REFERENCES

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