

HYDAN CHERUYOT

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SUMMARY

Results-driven Software Engineer with a proven track record of designing, building, and deploying scalable web applications and enterprise systems. Proficient in frontend and backend development, specializing in creating responsive user interfaces with React and engineering robust server-side logic using Node.js and Python. Adept at secure application development, implementing REST APIs, and establishing resilient architectures. Highly experienced in DevOps practices, leveraging Docker for containerization, setting up CI/CD pipelines, and managing cloud deployments on AWS. Strong foundation in Linux environments and system administration. A collaborative team player and critical thinker with a passion for problem solving, dedicated to delivering high-performance software solutions that drive business value.

SKILLS

Programming Languages: Python, JavaScript (Node.js), PHP, Java, HTML5, CSS3, SQL

Frontend: React, React Native, Next.js, Bootstrap, TailwindCSS

Backend: Flask, Express.js

Databases: PostgreSQL, MySQL, Firebase

Cloud & DevOps: Docker, Git, GitHub Actions, CI/CD, AWS (S3, EC2), Nginx

Operating Systems: Linux, System Customization

Architecture: REST API, Microservices, Role Based Access Control, Authentication, JWT

Software Engineering: Agile, Scrum, Software Architecture, API Integration, Testing, Security Best Practices, Responsive Design

EXPERIENCE

Freelance Full-Stack & DevOps Engineer | GeeSoftwareSolutions | Kericho, Kenya | July 2025 – Present

- Engineered and deployed highly scalable full-stack web applications for local corporate clients, utilizing React, Flask, and Node.js to improve operational efficiency.
- Integrated the Safaricom M-Pesa Daraja REST API, establishing secure payment automation workflows and real-time transaction verification.
- Implemented Docker containerization and CI/CD pipelines via GitHub Actions, reducing deployment times and ensuring consistent cloud deployment across multi-tenant environments.
- Modernized legacy PHP codebases, resolving architectural bottlenecks and applying security best practices to enhance overall application performance and data protection.
- Utilized Firebase for seamless user authentication and real-time database management, significantly improving client platform responsiveness.

PROJECTS

HMS (Hospital Management System) | Full-Stack Engineer | React, Flask, MySQL, Docker

- Designed and developed a multi-tenant web application to centralize patient records, appointment scheduling, and pharmacy inventory.
- Implemented rigorous Role Based Access Control and JWT authentication to secure sensitive medical data.
- Architected a REST API backend using Python and Flask to ensure efficient data retrieval and system scalability.

- Containerized the entire application ecosystem with Docker, facilitating streamlined cloud deployment and maintainability.

KEYLISTING | Lead Developer | Next.js, Node.js, PostgreSQL

- Developed a dynamic real estate platform utilizing Next.js for a highly responsive design and server-side rendering.
- Engineered the backend architecture with Node.js and PostgreSQL, ensuring robust handling of complex property queries.
- Integrated high-resolution media handling and geolocation-based search, significantly improving the user experience.
- Applied automated SEO optimization techniques, increasing platform visibility and organic traffic.

HEYLA OS | Lead System Architect | Linux, Custom Kernel

- Tailored Linux kernel configurations to optimize system performance and enforce security best practices.
- Developed bespoke system utilities and shell scripts to enhance user privacy and control over data.
- Designed a customized, lightweight user interface, improving desktop responsiveness and resource management.

HYSAM Mobile Flashing Tool | Lead Developer | Python, Qt, ADB

- Built a robust desktop utility enabling users to safely flash firmware and unlock bootloaders across multiple device chipsets.
- Integrated ADB and Fastboot protocols directly into the application layer for seamless device communication.
- Engineered robust error handling mechanisms to prevent device malfunction during critical operations.

Sosiot Dairy Sacco Website | Web Developer | PHP, Laravel

- Designed and deployed the official corporate website, establishing a strong digital presence for the cooperative.
- Developed interactive financial tools, including dynamic loan calculators, to assist members with financial planning.
- Created secure member registration portals and integrated backend database connections using MySQL.

EDUCATION

Professional Certificate in Full Stack Software Engineering & Cloud Deployment

Moringa School | November 2024 – July 2025

Kenya Certificate of Secondary Education (KCSE)

Moi Sitotwet Secondary School | 2015 – 2016

SOFT SKILLS

Problem Solving, Communication, Leadership, Teamwork, Critical Thinking, Adaptability, Technical Documentation, Mentoring, Time Management

REFERENCES

Available upon request.