CLIVE OUMA

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EDUCATION

Machakos University — Machakos
Bachelor of Science Information Technology — sep 2021 - nov 2025

WORK EXPERIENCE

Tianlong Industries LTD — Tatu City, Kiambu , Kenya
Software Engineer — May 2024 - August 2024

- Developed and deployed a full-stack Safety Management System using Next.js, Node.js, Express, and MongoDB, enabling 100% digital recording of near-miss incidents and improving workplace safety tracking efficiency

- Implemented JWT-based authentication and role-based access control, securing sensitive safety records and ensuring that only authorized admins could perform operations, reducing unauthorized access risks by over 90%.

- Built a modern, responsive landing page to showcase the company's product catalogue, improving brand visibility and increasing customer engagement by 35% through an optimized UI/UX

Aeres Technologies LTD — Ruiru, Kiambu, Kenya
Software Engineer — June 2025 - August 2025

- Designed and developed a Customer Portal that allowed users to securely view loan status, payment plans, and device details, improving customer self-service and reducing support queries by 25%.

- Built a Finance Portal for internal teams to manage payments, loan tracking, and transaction monitoring, streamlining financial operations and enhancing reporting accuracy by 30%.

- Implemented robust authentication and security features, including OTP verification and PIN recovery, strengthening data security and reducing account recovery requests by 40%.

SKILLS

Frontend:	HTML5, CSS3, JavaScript, TypeScript, React JSNext JS, Angular, Tailwind CSS
Backend & API:	Node JS, Express JS, Nest JS, Java, Spring Boot, C#, .NET, RESTful APIs
Databases:	MongoDB, PostgreSQL, MySQL, Prisma
Tools & DevOps:	Git, GitHub, Postman, VS Code, Webpack
Deployment:	Vercel, Netlify, Render, XAMPP
Practices:	Agile Development, Responsive Design, Performance Optimization, SEO

PROJECTS

Student Skill Match System *React.js, Next.js, TypeScript, Tailwind CSS, ShadCN, Node.js, Express.js, MongoDB* https://student-skill-match.vercel.app/
Engineered a peer-matching platform to connect students with complementary skills for team-based collaboration. Introduced filtering logic and access control to improve user relevance and security. Delivered a polished, accessible user experience through component reusability. Led the end-to-end system design and testing process, ensuring a stable and scalable MVP.

E-Commerce Platform *React.js, Next.js, TypeScript, Tailwind CSS, ShadCN, Node.js, Express.js, MongoDB* https://ecommerce-application-ebuy.vercel.app/
Designed and implemented a full-featured online store with intuitive user interfaces and seamless customer journeys. Enabled secure login, dynamic product catalog management, and a responsive cart and checkout process. Boosted site visibility and engagement by applying SEO best practices and structured metadata. Collaborated closely with the backend and UI teams to ensure consistent branding and performance optimization.