

Austine Ndauwa

Software Engineer

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Summary

PROFESSIONAL SUMMARY

Full-stack developer with 3+ years building production web and mobile applications at eProd Solutions, an agri-tech cooperative management platform. Core frontend work spans React, Next.js, and Payload CMS; backend experience includes REST API design, Pesapal payment integration, and KRA eTIMS compliance. Comfortable picking up fintech security requirements and API-heavy workflows — the eProd platform handles real transactions and live farmer data across multiple Kenyan counties.

TECHNICAL SKILLS

Frontend	React, Next.js, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Payload CMS
UI/UX	Responsive design, component-based architecture, i18n (React Intl), accessibility, cross-browser compatibility
API & Backend	REST API integration, Spring Boot (Java), Node.js, Pesapal payment SDK, KRA eTIMS, SMS (Host Pinnacle, Africa's Talking)
Database	MySQL query optimization, schema migration, PostgreSQL, NestJS+Prisma
Mobile	Android / Kotlin, Jetpack Compose, Firebase, Wear OS
Tooling	Git, GitHub, Agile/Scrum, Postman, Docker basics, Linux

Experience

eProd Solutions	May 2023-Present
Junior Developer	
Frontend & Web	- Migrated eProd's content site from WordPress to Payload CMS (Next.js), restructuring the content model around Lexical rich text, rebuilding team management pages, and configuring SMTP email — giving the team direct editorial control without CMS vendor lock-in - Built a batch traceability website in React and Node.js that decodes base64 QR codes, resolves license IDs, and fetches batch details (amounts, documents, farmer collection records, location data) from the REST API; serves 200+ farmers across the supply chain - Implemented multi-language support (English/French) using React internationalization, expanding platform reach to francophone African markets - Developed role-based authentication workflows and theme selection interface using React state management
Backend & Integrations	- Built and maintain eProd's REST backend server handling license management, mobile device sync, and Pesapal payment processing — serving active cooperative clients across multiple counties - Implemented KRA eTIMS integration covering OSCU device registration, invoice signing, and sandbox submission — enabling eProd to meet Kenya's e-invoicing compliance requirements

- Integrated Host Pinnacle SMS API into the eProd desktop platform, enabling francophone clients to send SMS notifications directly from the application
- Optimized MySQL queries and executed schema migrations on eProd's production database (194 tables), reducing report generation time by ~30%

Other Contributions

- Conducted product demonstrations at industry expos, translating backend technical detail for non-technical clients and cooperative managers
- Wrote technical documentation covering architecture, component behaviour, and API contracts, enabling efficient onboarding and knowledge transfer

Education

Dedan Kimathi University of Technology	B.Sc.Computer Science
2020-11-01 - 2024-12-06	
https://www.dkut.ac.ke/	

Certifications

React Learning Programme	November 27, 2023
Andela	
Participated in Andela's react programme learning key concepts of react as a language, developing sites and deploying sites	
https://credsverse.com/credentials/c43a2b8c-9e72-4861-b82e-08b7ce99934c	
Spring Fundamentals	2022-07-20
Mama Samba Braima	
Learnt spring fundamentals such as auto-configuration, embedded servers and starter POM by undertaking a project constructing a customer API	
https://app.amigoscode.com/courses/267273/certificate	
Spring Security	2022-08-12
Mama Samba Braima	
Learnt concpets like permission based authentication, cross site request forgery, form based authentication, database authentication and JSON Web Tokens	
https://app.amigoscode.com/courses/728126/certificate	
Scientific Computing with Python	2022-09-15
Free Code Camp	
I learned Python fundamentals like variables, loops, conditionals, and functions. Then I quickly ramped up to complex data structures, networking, relational databases, and data visualization.	
https://freecodecamp.org/certification/Austine_Ndauwa/scientific-computing-with-python-v7	
LFS250: Kubernetes and Cloud Native Essentials	May 2025
The Linux Foundation	
https://www.credly.com/badges/6ee3f601-96dd-406e-bcbd-693bfd3bea06/linked_in_profile	