

BOOKER OKUMU

Software Engineer

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PROFILE

Full-stack Developer with 3+ years of experience building scalable web and mobile applications in fast-paced startup environments. Skilled in modern frontend and backend technologies including React.js, React Native, SvelteKit, Node.js, C#, and Go, with experience working across relational and NoSQL databases. Passionate about building user-focused products, designing maintainable systems, and contributing to cloud-native and real-time applications.

WORK EXPERIENCE

Zone01 Kisumu, Software Developer

11/2025 – 03/2026 | Kisumu, Kenya

- Developed backend services using Go and built full-stack applications with Go and React, delivering functional end-to-end solutions
- Applied strong algorithmic thinking and problem-solving skills in a peer-driven environment, contributing to scalable and maintainable code
- Utilized Git, Docker, and Linux/Unix systems in development workflows, and delivered AI-powered and offline-first applications during hackathons

Rent Hub, Fullstack Developer

01/2022 – 2025 | Uasin Gishu, Eldoret, Kenya

- Built and maintained responsive property management interfaces using React.js, Tailwind CSS and React Native.
- Developed backend APIs with Node.js/Express, integrated with PostgreSQL and MongoDB, and supported authentication workflows.
- Collaborated on full-stack features that streamlined landlord-tenant workflows, from property listings to lease management.
- Created cross-platform mobile apps with React Native, expanding accessibility for property managers and tenants.
- Participated in agile team meetings, contributed to technical discussions, and implemented performance optimizations.

EDUCATION

Bachelor of Science in Computer Science, Moi University

2020 – 2024

Second Class Honors

SKILLS

Frontend

React.js, React Native, JavaScript (ES6+), TypeScript, HTML5, CSS3, Tailwind CSS, Blazor WebAssembly

Backend

C#, ASP.NET Core, Go, Node.js, Express, REST APIs

Databases

PostgreSQL, MongoDB, MySQL, SQL Server

DevOps & Tools

Git/GitHub, Docker, Kubernetes

Methodologies

Agile teamwork, Clean Architecture, Testing

LANGUAGES

- English
- Swahili
- Luo

PROJECTS

VectorFlow [🔗](#), Lightweight issue tracking for small dev teams that move fast

VectorFlow is a full-stack project management tool built with **ASP.NET Core** and **Blazor WebAssembly**. It gives small development teams a real-time Kanban board, a complete issue lifecycle, workspace collaboration, and a full audit trail — with zero enterprise overhead.

- Built a real-time collaborative Kanban platform with drag-and-drop issue tracking, live updates via SignalR, activity logs, comments, labels, and issue management workflows.
- Developed a multi-tenant workspace system with role-based access control, project isolation, email invitation flows, and secure member management.
- Implemented secure authentication and session management using JWT HttpOnly cookies, refresh token rotation, email verification, and password reset functionality.

WatchHive [🔗](#), Real-Time Collaborative Decision Platform

A full-stack, real-time web application built using **SvelteKit** and **ASP.NET Core** that enables groups to collaboratively decide on movies using a structured voting and veto-based decision system.

- Built a real-time movie night platform featuring collaborative voting, veto-based decision making, tie-breaking algorithms, and live updates powered by SignalR.
- Developed group and event management functionality including invitations, join requests, role-based administration, and event-scoped real-time chat rooms.
- Implemented secure JWT-based authentication with email verification, password reset workflows, protected APIs, and real-time notifications for voting and event updates.

PUBLICATIONS

How to Build UX-Friendly Form Validation in SvelteKit with Zod [🔗](#)

Explained how to implement user-friendly form validation in SvelteKit using the Zod library, focusing on real-time error handling, schema-based validation, and improving overall UX in web forms. Live Demo - <https://svelte-vld.netlify.app> [🔗](#)