

Davy Kamanzi

Full-Stack Software Engineer | Product Engineer

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Summary

Full-stack software engineer building and shipping web software since 2020, with hands-on ownership of complex product development. Currently leading engineering for Koloseum, a multi-service esports platform built with TypeScript, SvelteKit, PostgreSQL, and Supabase.

Experienced across system architecture, domain and database modelling, authentication and authorisation, security, financial workflows, caching, automated testing, shared libraries, and containerised deployment. Particularly effective at translating operational requirements into maintainable systems and taking products from specification through implementation, testing, release, and iterative maintenance.

Skills

- **Languages:** TypeScript, JavaScript (ES6+), SQL, PL/pgSQL, HTML5, CSS3
- **Frontend:** Svelte, SvelteKit, Tailwind CSS, DaisyUI
- **Backend/Data:** Supabase, PostgreSQL, REST APIs, Supabase Edge Functions, Cloudflare Workers, Deno, database design, domain modelling
- **Security/Access Control:** Authentication, authorisation, role-based access control, PostgreSQL Row-Level Security (RLS), input validation, input sanitisation, sensitive-data workflows
- **Testing/Quality:** Vitest, Playwright, MSW, Supawright, unit testing, end-to-end testing, test fixtures/seeding, error handling, Sentry
- **Infrastructure:** Docker, Kubernetes, DigitalOcean, Cloudflare Pages (git-based continuous deployment), Valkey/Redis-compatible caching, containerised deployment

Experience

Ace Pro Sports Technologies

Head of Technology & Community Relations

October 2021 to present

Sports administration and technology firm where I am also a director-shareholder. My work includes:

- Leading the platform's engineering direction, including architecture, product specification, implementation, and iterative release
- Designing application architecture, service boundaries, data models, authentication flows, access control rules, and technical requirements for new platform functionality
- Working directly with business and community stakeholders to translate real operational requirements into implementable software systems
- Combining software engineering with domain expertise from esports competition operations, community management, and live event technology

Koloseum is our principal product engineering project, not a separate employer. For more information on architecture and implementation, see <https://github.com/koloseum-technologies/engineering-showcase>.

Freelance software developer

Full-Stack Engineer

January 2021 to present

Independent software developer delivering and maintaining websites and web systems for clients, each with a documented production workflow and continuous deployment.

TEKKEN 254

Founder / Community Organiser / Web Developer

August 2017 to October 2021

A venture I founded that seeks to grow the Tekken community and establish a competitive Tekken scene in Kenya.

- Successfully staged our first tournament in November 2017 with Ace Pro (then known as Ace Pro Gaming)
- Organised 15 tournaments across three full seasons of the TEKKEN 254 Circuit (now the Savanna Circuit) in 2018 and 2019
- Built and shipped the organisation's website with Jekyll, Bootstrap, Sass, and Liquid in 2020
- Built relationships with competitors, organisers, sponsors, and international esports stakeholders; created sponsorship and international competition opportunities for Kenyan players
- Developed first-hand expertise in competition administration that was later transferred to Ace Pro then incorporated into Koloseum

Education

- Full-Stack Engineer Career Path – Codecademy, issued May 2023
- CS50: Introduction to Computer Science – Harvard University, 2023
- BTEC Level 3 Extended Diploma in Sport – Hadlow College, 2015–2017

Additional domain expertise

Gaming and esports: Competition platforms, tournament administration, gaming lounge operations, player management, competition data, grassroots esports; this helped shape Koloseum's product and data model.