

BRAVINE MMBAYIA

Software Engineer

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Portfolio: [portfolio](#)

PROFESSIONAL SUMMARY

Backend Engineer with 3+ years of experience building scalable APIs, e-commerce platforms, and event-driven systems. Specialized in **Node.js**, **Vendure.js**, and **Azure AD B2C** for secure authentication and RBAC. Proven success optimizing performance with **Elasticsearch (-40% latency)** and streamlining enterprise integrations with **BullMQ & Redis (-60% sync time)**. Skilled in deploying containerized apps with **Docker** and automating CI/CD using **GitHub Actions**.

Experience

Backend Developer / API Engineer | *Digital Qatalyst (Hybrid)*

Nov 2024 – Present

- Built a scalable e-commerce backend using **Vendure.js**, integrating **Azure AD B2C** for RBAC and MFA.
- Developed an event-driven sync system with **BullMQ (Redis)**, reducing sync delays to **Dynamics 365 CRM by 60%**.
- Enhanced product search with **Elasticsearch**, cutting query latency by **40%** for large catalogs.
- Containerized backend with **Docker** and automated CI/CD pipelines via **GitHub Actions** on Azure.
- Deployed **Kong API Gateway** with a multi-workspace setup for internal & client-facing APIs.

- **Automated token generation and plugin configuration using Lua scripts**, streamlining API communication and cutting provisioning time by **80%**.
- Integrated **Prometheus monitoring** to track performance of APIs handling thousands of requests per minute.
- Delivered **Dockerized Kong deployments**, ensuring reproducibility and high availability.

Freelance Full-Stack Developer | Aug 2022 – Aug 2023

- **Christian Union Website** – Rebuilt a responsive site with **React.js, Tailwind, Node.js, Redis, MongoDB**, boosting engagement by **65%**. [GitHub]

Projects

- **Secure E-Commerce Platform with Vendure.js** – CIAM-enabled backend with **Azure AD B2C, BullMQ, Elasticsearch**, deployed with Docker. [GitHub]
- **Kong API Gateway Automation** – Multi-workspace Kong setup with **Lua scripting & Prometheus monitoring**, Dockerized for reproducibility. [GitHub]
- **Christian Union Website** – Full-stack solution with **React.js, Tailwind, Node.js, MongoDB**, improving UX and engagement. [GitHub]

Education

B.Sc. in Information Technology

Murang'a University of Technology, School of Computing & IT

Technical Skills

- **Languages & Frameworks:** Node.js, TypeScript, React.js, Next.js, Express.js
- **Backend & APIs:** Vendure.js, Kong API Gateway, REST APIs, Event-driven systems
- **DevOps & Tools:** Docker, GitHub Actions, Prometheus, Redis, BullMQ
- **Search & Data:** Elasticsearch, MongoDB, Microsoft Dynamics 365
- **Auth & Security:** Azure AD B2C, External Entra ID, MFA, RBAC