

Afuh Christian Forkoum

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PROFESSIONAL SUMMARY

Experienced Software Engineer skilled in developing web and mobile applications. Proficient in JavaScript, TypeScript, and C#. Known for optimizing performance, mentoring, and code reviews. Strong expertise with various frameworks and tools, committed to innovation and effective collaboration within teams.

EXPERIENCE

Software Engineer

Cameroon Baptist Convention Health Services · Contract

Jul 2023 – Present

- Led the development of a full-stack **ERP system** for CBC Pharmacy using React and ASP.NET Core, with secure authentication via Duende IdentityServer.
- Implemented core modules including inventory, procurement, and reporting, while building responsive front-end components. Used PostgreSQL for database management and deployed the solution on IIS.
- Optimized API integration and back-end performance, enabling efficient data retrieval, validation, and role-based access control.

Full-Stack Software Engineer

Freelance — Self-Employed · Part-time

May 2021 – Feb 2023

- Built and deployed multiple client-facing applications including **Cleanam** (task organizer) and **Klando** (event coordination tool) using React, Node.js, and PostgreSQL.
- Designed APIs, integrated role-based authentication, and implemented end-to-end testing pipelines.
- Collaborated with stakeholders to translate business goals into technical features with scalable architecture.

PROJECTS

JSON Columnar Compression | *JavaScript, C#, npm, NuGet*

- Published a cross-platform JSON compression library (npm, NuGet) using columnar encoding.
- Reduces JSON size by **40–60%** while preserving its structure and format.
- Output remains valid JSON, allowing further compression using tools like **MessagePack** or gzip.

TECHNICAL SKILLS

Languages : TypeScript (TS), JavaScript (JS), Python, HTML, CSS, C#, Rust

Frontend : React, Vue.js, Next.js, TailwindCSS, Ionic, React Native

Backend : Node.js, .NET, ASP.NET, Actix web, Axum

Database : SQL, NoSQL, PostgreSQL, MongoDB

Testing : Jest, Cypress, Unit Testing, Integration Testing

Tools : Git, Docker, Kubernetes, GitHub, Azure

EDUCATION

University of Buea

Bachelor in Computer Science

Southwest, Buea