

David Oyinbo - Senior Software Engineer | Rust & Modern Web Stack Specialist

[LinkedIn](#), [GitHub](#)

Email: OyinboDavidBayode@gmail.com, dev.davexoyinbo@gmail.com

Summary

Highly accomplished and results-driven Software Engineer with over six years of full-stack development experience, specializing in robust backend systems with **Rust (Actix Web)** and dynamic frontends with the **modern web stack (TypeScript, Vue, Nuxt)**. Proven leader in designing scalable architectures, optimizing performance, and delivering innovative, user-focused solutions. Seeking Senior, Leadership, or Intermediate Software Engineering roles in Canada, particularly within infrastructure, startups, and SaaS platforms, where I can leverage my expertise in high-performance systems, complex authentication, and efficient CI/CD pipelines to drive product success and technical excellence.

Professional Experience

Software Engineer | 55 Tech Limited, London, United Kingdom (February 2025 – Present)

- Designing scalable and maintainable software architectures tailored to project requirements, contributing to robust system foundations.
- Writing clean, efficient, and well-tested code using modern development practices and languages, including **TypeScript, NestJS, PHP/Laravel, Vue, and Nuxt**.
- Implementing and maintaining robust Continuous Integration and Continuous Deployment pipelines to ensure fast and reliable software delivery.
- Leading development cycles, coordinating with stakeholders, and ensuring delivery timelines are met as a project owner.
- Collaborating on DevOps initiatives, managing cloud infrastructure on **AWS**, and automating deployments to ensure system reliability in production environments

Founder & CEO | Workmate Technologies, Abuja, Nigeria (September 2023 – Present)

- Spearheaded the development and deployment of robust applications leveraging **Actix Web and Rust** for the backend, achieving **demonstrably higher throughput, lower latency, superior memory efficiency, and greater stability** under heavy load compared to conventional alternatives.
- Designed and implemented a fully automated CI/CD pipeline using **GitHub Actions for builds, GitHub Packages for Docker images, Docker Compose, and Watchtower for**

automatic deployments, drastically **reducing deployment times from 1 hour to a few minutes**. This eliminated manual AWS console logins, automated SSL certificate issuance, and enabled seamless remote deployments.

- Engineered a **serverless image resizer solution using AWS S3 and CloudFront**, effectively solving the problem of handling large images and complex processing, which led to significant **cost savings and reduced operational overhead and maintenance efforts**.
- Developed the frontend using **Nuxt3 and Vue3**, leveraging SSR for faster page loads and enhancing development and maintenance efficiency.

Senior Frontend Engineer | HeySummit, United Kingdom (March 2022 – February 2025)

- Developed new tools and features for HeySummit's platform to enhance user experience, including spearheading key features like broadcast chat and landing page builders.
- Collaborated effectively with the product team to gather user requirements and ensure high customer satisfaction.
- Performed usability testing to optimize the customer experience.
- Implemented SEO best practices to improve organic search rankings.

Software Engineering Consultant | Payaza Africa Limited, Lagos, Nigeria (July 2022 – December 2023)

- Successfully created documentation and guides for mobile and web developers to hook into the Payaza checkout web SDK, resulting in improved integration and a better user experience for customers.

Principal Frontend Developer | Payaza Africa Limited, Lagos, Nigeria (October 2021 – April 2022)

- Led a team of individuals in executing the project, ensuring clear communication and effective collaboration.
- Overhauled the architecture of the company's website, improving the user experience and increasing website performance.
- Successfully created the Payaza checkout and the checkout SDK.
- Used Nuxt.js and tailwindcss to make the frontend
- Used nodejs to make a service responsible to processing payments and realtime communication

Full Stack Developer | RadTech Software Solutions, Nigeria (May 2021 – September 2021)

- Performed bug fixes on legacy code to maintain software functionality and reliability.
- Added features to platforms by understanding user needs with the product team.

Full Stack Developer | AboutCERT, Nigeria (December 2019 – December 2020)

- Conducted database modelling, backend and frontend development.
- Integrated backend APIs alongside third-party APIs like Rave, Paystack, and eSignGenie.
- Utilized WebRTC for real-time video chat feature on the website.
- Implemented Socket.io for real-time communication on the website.

Full Stack Developer | Pocketmoney Nigeria, Nigeria (September 2019 – June 2020)

- Launched platform earning 5 million Naira (\$10,000) in its first 2 months.
- Drafted SRS to align software with company needs.
- Conducted database modelling, backend and frontend development.

Key Projects

Nuxt Auth Module ([GitHub](#), [npm](#))

- Engineered an open-source Nuxt authentication module to address critical security flaws and unreliability in existing solutions, specifically preventing secret keys from being bundled with client-side code.
- Simplified authentication logic, token injection, and middleware handling, resolving major developer frustrations.
- Integrated `useAuthFetch` and `$authFetch` utilities to automate auth token addition and redirection, significantly improving developer experience and reducing development time for users.
- Achieved over **13,000 downloads** since its publication in March 2022 and adopted by key fintech and tech companies including **Payaza**, **Bluepreent**, and **Workmate Technologies**.
- Future plans include adding support for additional authentication strategies (e.g., Facebook).

Payaza Web SDK ([npm](#), [Demo](#))

- Developed a crucial web SDK that all users integrating with Payaza's APIs rely on for payment processing.
- Achieved **13,193 downloads** on npm, indicating widespread adoption and retention within the developer community.
- Leveraged **Socket.io and Node.js** to build a robust and efficient SDK.

Actix Web Starter Template ([GitHub](#)): A production-ready boilerplate for rapidly developing Actix Web applications in Rust, with the following features:

- **Authentication & Authorization:**
Token-based (non-JWT) authentication, user registration and login, email verification,

role-based access control with permissions, and secure password handling using Argon2.

- **Database & ORM Integration:**
PostgreSQL support via SeaORM with type-safe queries, entity relationships, and a built-in migration system for versioned schema management.
- **API Architecture:**
Middleware for authentication, rate limiting, and CORS; request validation with `validator`; structured JSON responses; custom error handling; and pagination support.
- **Messaging & Notifications:**
Kafka integration for event-driven design, email dispatching with `lettre`, and dynamic email templating using `askama`.
- **Observability & Monitoring:**
Structured logging using `tracing`, `log`, and `tracing-actix-web`; request tracing; and a health check endpoint for monitoring service health.
- **Security Measures:**
Argon2-based password hashing, configurable CORS with `actix-cors`, and rate limiting using `actix-governor`.
- **Background Processing:**
Scheduled tasks with `actix-jobs`, including a token cleanup job to manage expired authentication tokens.
- **Developer Experience:**
Docker Compose setup for easy local development, hot reloading via `bacon`, and a Makefile for streamlined project tasks.

Other Notable Projects:

- **Rust JWT Web Auth Scheme** ([GitHub](#)): Developed a simple todo API written in Rust, showcasing expertise in building secure authentication schemes using **Rust**, **Actix Web**, **chrono**, **argon2**, and **serde**.
- **Country Flags and Currency Library** ([npm](#)): Created a lightweight JavaScript library providing comprehensive data for country flags, capitals, dial codes, currencies, and location-related calculations. Features methods for filtering data, calculating distances between locations, and finding countries within a radius..
- **Canvas Demonstrations (Gravity Balls, Floating Bubbles, Circular & Infinity Paths)** ([Gravity Balls Demo](#), [Floating Bubbles Demo](#), [Circular & Infinity Paths Demo](#)): Showcases advanced frontend skills and creativity in interactive web animations using **HTML Canvas** and **TypeScript**.

Technical Skills

- **Programming Languages:** **Rust**, **TypeScript**, JavaScript, PHP, Python, Java, Dart
- **Frontend Development:** **Vue.js (2 & 3)**, **Nuxt (2 & 3)**, ReactJS, HTML Canvas, TailwindCSS, Webpack.js, Pinia, API Integrations, Figma & Adobe XD
- **Backend Development:** **Actix Web**, Node.js (Express.js), Laravel, Sea-ORM, PostgreSQL, Redis, Socket.io, Babel.js, GIT version control, Linux Command Line
- **Microservices & Infrastructure:** Docker, Digital Ocean, API Integrations

- **DevOps & Cloud Platforms:** AWS Cloud (ECS, EC2, S3, CloudFront, Amplify), GitHub Actions, GitHub Packages, Docker Compose, Watchtower, Atlassian Stack (Jira, Confluence)
- **Agile Methodologies:** SAFe, Scrum
- **Other Tools:** NPM, Babel, Pinia, Git, Docker

Education

Bachelor of Engineering in Mechanical Engineering (First Class Honours, CGPA: 4.70/5)

Federal University of Technology, Minna, Nigeria (2015 – 2021)

Certifications & Professional Development

- **Certified Nuxt Master**, Vue School (2022)
- **JavaScript Algorithms and Data Structures Masterclass**, Udemy (2022)
- **Scrum Foundations Course**, Scrum Alliance (2023)
- **Modern Three.js for Real Websites**, Udemy (2022)

Testimonials

- “David Oyinbo excelled as Lead Front-End Engineer at HeySummit. His expertise in JavaScript, VueJS, and HTML led to significant improvements in platform usability, scalability, and user experience. He spearheaded key features like broadcast chat and landing page builders, demonstrating leadership and innovation.” – **Benjamin Dell, CEO and Founder, HeySummit, UK**
- “David consistently demonstrated a strong sense of reliability, actively supporting his teammates. His exceptional technical skills, coupled with his strong leadership and collaborative spirit, make him a valuable asset.” – **Philips Akinleye, CTO, Payaza, Nigeria**