

Henry Okonkwo

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SUMMARY

Senior Product Engineer with 8+ years in TypeScript and modern frontend architecture (React / Next.js, Vue 3 / Nuxt 3) across fintech, developer tooling, and events. Specializes in shipping production-grade AI products, six to market (DocGate, Sprevia, PermitRail, WalletGate, Linga, RedDial), including an LLM-powered support chat and AI voice agents (ElevenLabs, Deepgram), with a consistent focus on performance, accessibility, and maintainable UI systems.

SKILLS

Frontend: TypeScript, React, Next.js, Vue 3, Nuxt 3, Capacitor, TanStack, Tailwind CSS, SCSS, Storybook, Vuetify

Testing / Quality: Vitest, Jest, Cypress, Playwright, GitHub Actions CI, ESLint

Backend / APIs: Node.js, GraphQL, REST, Ruby on Rails, Supabase, Vector DBs, Embeddings

Cloud / Tooling: AWS, Vercel, Docker, Vite, Webpack

AI Tools & Agents: Anthropic Claude (Claude Code, Agent SDK, MCP), Retell AI, LangChain, LangGraph, ElevenLabs, Deepgram, OpenAI Codex, Augment Code, GitHub Copilot

EXPERIENCE

Hypofriend GmbH - Berlin, Germany

Senior Product Engineer | 01/2025 – Present

- Built and shipped Property Radar, a cross-platform mobile app for iOS and Android built with React, TypeScript, and Capacitor and published to the App Store and Google Play, with real-time property alerts via Pusher, Amplitude analytics, Sentry observability, and full i18n support.
- Led Nuxt 2 SSR + Vuex to Nuxt 3 + TypeScript + Pinia migration, improving maintainability and unblocking faster feature delivery.
- Redesigned property search into a responsive card view with optimized map integration, lifting retention and appointment scheduling by **20%**.
- Designed and shipped an AI support chat (SSE streaming over an in-house mortgage and investment LLM) across desktop widget, mobile widget, and full /chat page, with progressive token rendering and resumable history, lifting lead conversion by **35%** and contributing to a **5% month-on-month increase** in property purchases.
- Built context-aware system prompts per product touchpoint (affordability, mortgage offer, expose) and CTA auto-send that composes prompts from live property and user data, driving advisor-qualified leads from the chat surface.
- Extracted the chat engine into **@hypofriend/hf-chat**, a standalone Vue 3 package (SSE streaming, Vuex store factory, message parsing, history persistence, and presentational components) consumed across all three product verticals via a single createHfChat(config) plugin.

Tech used: TypeScript, React, Vue 3, Nuxt 3, Capacitor, Pinia, Node.js, Ruby on Rails, SSE streaming, LLM integration

Realtainment GmbH - Berlin, Germany

Senior Frontend Engineer | 05/2022 – 12/2024

- Initiated and set up unit-test architecture for a legacy codebase from scratch and raised coverage to **56%** within the first 3 months of joining.
- Owned and extended a global design system adopted across internal and external platforms, driving consistency and accessibility at scale.
- Improved the event management platform serving **30K+ hosts**, reducing load times and improving cross-platform reliability.
- Led frontend delivery across multiple product surfaces, collaborating closely with design and product to ship high-quality features on tight timelines.

Storyblok - Linz, Austria

Fullstack Engineer II (Contract) | 11/2021 – 01/2023

- Worked with the Editing Experience team to scale the migration of the Storyblok application from Vue 2 to Vue 3, focusing on the Visual Editor.
- Implemented full-stack features, bug fixes, and performance improvements using TypeScript, Vue 3, and Ruby on Rails.

Tech used: Ruby on Rails, React, Vue, TypeScript, GraphQL, SCSS, AWS, Docker, Tailwind

One World Coders - Kigali, Rwanda

Software Engineer | 02/2020 – 11/2022

- Led a three-person engineering team to develop the final MVP features of the Kormoon.ai data-compliance application with React, Redux, Rails, and Auth0.
- Contributed to developing the Aura Flex innovation flight-sensor control mobile app with React Native, TypeScript, and MobX.

Tech used: Ruby on Rails, React, React Native, Vue, TypeScript, Auth0, SCSS, AWS, Docker

Andela - Lagos, Nigeria

Software Engineer | 05/2019 – 01/2020

- Collaborated on MMDP, a platform that manages data in the fight against human trafficking and illegal migration in Edo State, Nigeria.
- Contributed backend logic with Node, Express, and Sequelize ORM to support seamless frontend integration.

Tech used: Node, Express, Sequelize, React, Redux, SCSS, AWS, Docker, Bootstrap, GitHub

nHub - Jos, Nigeria

Software Engineer | 06/2018 – 04/2019

- Worked closely with software development teams maintaining client websites built on vanilla JavaScript and jQuery.
- Contributed to requirements gathering and documentation, paired to develop user stories, and took part in styling fixes and backlog grooming sessions.

Tech used: JavaScript, jQuery, HTML, CSS

PERSONAL PROJECTS

[PermitRail](#)

Open-source permission and audit layer for AI agents that take real actions.

[Package](#)|[Sandbox](#)

[RedDial](#)

Open-source adversarial red-teaming harness for conversational AI agents. Adversarial personas probe your agent in parallel; decision-tree judges grade every transcript and surface hallucinated commitments, leaked prompts, and policy violations before users do.

Tech used: TypeScript, LangGraph, LangChain, Anthropic Claude, OpenAI, RAG, Vitest|[Package](#)

[Linga](#)

AI voice receptionist that answers missed business calls, qualifies the enquiry with natural conversation, and delivers a structured lead to WhatsApp and email. Live for auto dealers and cargo businesses.

Tech used: TypeScript, Python, React, Next.js, Retell AI, Twilio, Anthropic Claude, Fly.io

[DocGate](#)

Every important document decoded: understood, tracked, actionable. Upload letters, tax notices, contracts, insurance, or bank documents and get a clear explanation, deadlines, action items, and reply drafts in your language in 30 seconds. Live across **8 countries, 21 languages, and 6 document types**.

Tech used: TypeScript, React, Next.js, Anthropic Claude

[Sprevia](#)

A German learning web app and installable PWA built around real-world fluency, not flashcard grinding. AI-driven conversational drills, contextual grammar corrections, and an offline-first PWA shell. Shipped solo on top of Anthropic Claude.

Tech used: TypeScript, React, Anthropic Claude, PWA

[@walletgate/eudi](#)

WalletGate is a Verifier/Relying Party SDK for the EU Digital Identity Wallet ecosystem. It lets you create verification sessions, direct users to their wallet, and fetch signed results using real EU trust infrastructure.

[Package](#)

EDUCATION

The Federal Polytechnic, Bauchi - Bachelor's Degree (Upper Credit), Accounting - 2013

Andela - 6-month Apprenticeship Program - 2019

Consensys Academy - Blockchain Developer Bootcamp - 2022

CERTIFICATIONS

[Master Retrieval-Augmented Generation \(RAG\) Systems](#) - Coursera / Packt - Jun 2026

[Claude Code in Action](#) - Anthropic - Mar 2026

[Introduction to Model Context Protocol](#) - Anthropic - Mar 2026

[Model Context Protocol: Advanced Topics](#) - Anthropic - Mar 2026

[Certified Senior Vue.js Developer](#) - VueSchool.io / Certificates.dev - Aug 2024

[Certified Mid-Level Vue.js Developer](#) - Certificates.dev - Mar 2024

LANGUAGES

English (Mother tongue), German (A2.1)