

Vince Erkadoo

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CTO & Founder | AI Engineering | Full Stack: Next.js, .NET, Node.js

Summary

Software engineer and technology leader with five years of experience and more than 40 shipped projects, from PCI payment interfaces to a national tender portal. Full-time Senior Software Engineer at SD Worx; CTO of Nourishubs on a consulting contract, a school-meals platform live in four countries, joined as its Technical Lead; founder of Bienzoli, a SaaS product for small businesses in Mauritius. Builds production AI systems, including retrieval-augmented assistants with source citation and refusal behaviour, and directed an ISO 27001 implementation across four regulatory environments.

Technical Skills

Languages & Frameworks

- **TypeScript**, JavaScript, **Python**, **C#/.NET**, SQL; REST APIs, microservices, service-bus architectures
- **Next.js**, React, Vue, **React Native**, Blazor; responsive UI, accessibility (WCAG, ARIA)
- **Node.js**, NestJS, .NET Web APIs (Onion Architecture), Drupal headless CMS

AI Engineering

- **RAG**: retrieval, embeddings, vector stores, grounded answers with citations, refusal behaviour
- **Agents**: Claude Code, Cursor, Codex, Claude Agent SDK, MCP, orchestration, guardrails, evaluation
- Models and APIs: OpenAI, Azure OpenAI, Whisper, YOLOv8, LangChain, model routing and fallback

Cloud & DevOps

- **Azure**, Azure DevOps, **AWS (EKS)**, **Docker**, **Kubernetes**, CI/CD pipelines, Linux, Vercel
- GitOps (Flux), monitoring, production incident response and root-cause analysis

Data

- **MongoDB**, **PostgreSQL**, Redis, Neo4J, Prisma, vector stores; schema design and migrations
- Power BI reporting, ledgered transaction models, reconciliation and idempotency patterns

Security & Leadership

- **ISO 27001** implementation, PCI-compliant payment UIs, RBAC, audit logging, KYC flows
- Team leadership (10 engineers), mentoring, agile delivery, stakeholder management

Experience

Chief Technology Officer (Contract)

Jun 2025 – Present

Nourishubs, Mauritius · freelance consulting engagement · joined as Technical Lead, promoted to CTO

- Lead a team of ten engineers, designers, and QA on a school-meals platform serving four countries; own the system architecture and final sign-off on features across Next.js, Python, Node.js, and .NET services.
- Launched the platform in four countries, adapting infrastructure, payment integrations, and data handling to each market's regulations, banking systems, school calendars, and local operational constraints.
- Built and released the Nourishubs mobile app for iOS and Android in React Native, owning the full cycle from development and QA through App Store and Play Store submission and version rollouts.
- Directed the ISO 27001 implementation end to end: risk assessments, security policies, asset and risk registers, access controls, staff awareness training, and audit evidence, mapped onto four national privacy laws.
- Accountable for legal and regulatory compliance of a system that processes minors' personal data internationally, with data-protection review built into the release process for every feature.
- Operate production infrastructure on Docker, Kubernetes (AWS EKS), and Azure, with CI/CD pipelines covering backend, frontend, and mobile across development, staging, and production environments.
- Run security and AI engineering for the platform, operating a fleet of more than ten AI coding agents (Claude Code, Cursor, Codex) that assist development, QA, and incident response under engineer review.
- Resolved cluster-level production outages, including a fault that injected a revoked API key into every container and an expired registry credential that silently blocked deployments for days.

Founder

2025 – Present

Bienzoli, Mauritius

- Founded [Bienzoli \(bienzoli.com\)](#) and built its free POS, invoicing, and inventory product for Mauritian small businesses: barcode scanning, stock control, quotes and invoices, and CRM, designed to run from a phone.
- Engineered the entire platform solo on Next.js, Prisma, and PostgreSQL with a PWA front end, cookie-free analytics with private-route redaction, signup campaign attribution, and automated onboarding.

- Run the company end to end, covering product strategy, brand system, launch films and campaign creative, and go-to-market across English, French, and Kreol-speaking markets in Mauritius, alongside client delivery.
- Delivered a complete e-commerce, CRM, and invoicing system for an auto-parts client under the agency arm, taking it from requirements and brand identity through build, deployment, and post-launch support.

Senior Software Engineer

Jun 2024 – Present

SD Worx, Ebene, Mauritius · full-time

- Built a retrieval-augmented AI assistant that answers HR and payroll questions from company policy documents, returning answers with cited sources and refusing when no source exists; measured on wrong-answer rate.
- Designed and built a reusable component library from scratch in the style of shadcn/ui; it is now the shared design base across products and the training material for the team's junior developers.
- Built and maintain an HR vacancy website with Drupal as the headless content backend and a Next.js front end, covering content modelling, job listings, API integration, search, and accessibility.
- Mentor three junior developers through structured code reviews and technical workshops; define and enforce the coding standards used across Next.js, Drupal, Node.js, and .NET service-bus projects.
- Implemented CI/CD pipelines with Docker and Azure DevOps that cut deployment times by more than 50% across the team's projects, with automated builds, environment promotion, and rollback support.

Full Stack Software Engineer

Aug 2022 – Jun 2024

Zapproach, Port Louis

- Lead developer for NPCC Enterprise Go Digital, a national e-procurement portal: sealed bids, evaluation scoring, award workflows, RBAC, immutable audit logs, antivirus-scanned document storage; Vue 3, Node.js, .NET.
- Lead developer on an e-wallet platform in Next.js: ledgered transactions, top-ups, payouts, refunds, 3-D Secure payments, reconciliation webhooks with idempotency keys, and KYC verification.
- Built a project management information system for government tenders covering the procurement lifecycle, committee approvals, milestone tracking, and Power BI reporting with full auditability.
- Designed .NET Web APIs on Onion Architecture, shipped web and mobile clients in React, Vue, React Native, and Blazor, and integrated LangChain on Azure OpenAI and YOLOv8 into client features.

Junior Front End Developer

Sep 2021 – Aug 2022

Zapproach, Port Louis

- Developed the front end of a PCI-certified payment gateway with hardened client-side security; improved performance and accessibility (WCAG, ARIA) and cut defect rates through systematic testing.

Web Developer

May 2021 – Sep 2021

Linkeo, Quatre Bornes (Remote)

- Built responsive client websites with SEO work and conversion-focused design that increased organic traffic and conversions, collaborating with design and content teams on CMS branding for local businesses.

Freelance Web Developer

Aug 2020 – May 2021

Self-employed, Remote

- Delivered WordPress and custom websites for clients across industries, from Figma and Sketch prototypes through mobile-first responsive builds, domain and hosting setup, client training, and handover.

Selected Projects (live, in active use)

- **AI concierge & recruiter screener** (vinedotcode.com): grounded portfolio chat plus a screener that reads a job description and returns an honest fit assessment; Vercel AI SDK with model routing.
- **Client sites in production:** [Nickel Sew](https://nickelsew.com) (nickelsew.com), bilingual English/French site for a tailoring and upholstery business, and [DS Nails](https://dsnail.vercel.app) (dsnail.vercel.app), booking site for a nail salon.
- **Frisco Creamery** (friscocreamery.com), brand site for an ice cream company, and **Ziyaad Ben Eydatoula** (ziyaad-beneydatoula.com), consulting site for a London product management consultant; both live and maintained.
- **MoNature**: winner of the IEEE Web Hackathon 2024; also built and run TechKours, MoTalent, Mobet, and MoPet, full stack products on Next.js, NestJS, MongoDB, Prisma, Stripe, and the OpenAI API.

Education & Certifications

MSc, Software Project Management (in progress, 2025 – 2027) · **BSc, Web & Multimedia Development** (2021 – 2024) · University of Mauritius

Supervised Machine Learning (Stanford University, 2024) · Azure Fundamentals (AZ-900) · Neo4J Certified Professional · Google Project Management · Scrum (CASF) · **Winner, IEEE Web Hackathon 2024**