

BRENDAN KAM

AI-DRIVEN FULL-STACK ENGINEER
(REACT/TYPESCRIPT · NODE/NESTJS)

CONTACT

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PROFILE SUMMARY

Backend-leaning full-stack engineer specializing in React/TypeScript and Node/NestJS. Ships clean architecture, typed contracts, and production-ready features with testing and CI/CD. Recent focus: AI features (LLM agents, RAG over vector DBs) that automate real workflows. Values performance, accessibility, and developer experience.

EDUCATION

2011 - 2015
ZHEJIANG UNIVERSITY

- Bachelor of Computer
- GPA: 3.8 / 4.0

SKILLS

- Languages: TypeScript, JavaScript
- Frontend: React, Next.js, Storybook, React Testing Library, CSS/Tailwind
- Backend: Node.js, NestJS, Express, GraphQL, REST
- Data/Infra: PostgreSQL, MongoDB, Redis, BullMQ, Kafka (basic), Qdrant, Supabase, Docker, AWS/GCP
- AI: OpenAI APIs, LangChain.js, RAG patterns
- Testing/DevEx: Jest, Cypress/Playwright

LANGUAGES

- English: Native
- Chinese: Fluent

WORK EXPERIENCE

MonetizeNow JUL 2021 - PRESENT
Frontend/Full-Stack Engineer (React/TypeScript · Node/NestJS)

- Shipped pricing/quoting/billing features; introduced a reusable React/TS component library and typed API contracts (OpenAPI/codegen).
- Improved performance & DX (code-splitting, memoization, tests/visual checks); collaborated on NestJS endpoints with DTO validation/guards.

Upwork (Freelance) 2019 - 2021
Independent Contractor, Backend/AI Engineer

- Built NestJS/TS services (REST/GraphQL) with auth, BullMQ/Redis jobs, and CI/CD (GitHub Actions).
- Delivered LLM features (tool use, memory, RAG via LangChain.js + Qdrant/Supabase) with streaming + cost guardrails.

IoTfy 2019 - 2020
ISoftware Engineer

- Developed hospital patient management system leveraging Particle.io IoT devices to collect and monitor sensor data such as room occupancy and vital signs.
- Designed APIs to control IoT devices remotely and trigger alerts based on sensor thresholds, improving healthcare staff responsiveness.

Senior Full-Stack Engineer 2016-2019
Captable, Inc

- Developed and maintained full-stack web apps in Node.js/TypeScript with React and Vue, architecting REST/GraphQL APIs and real-time WebSocket streams for platforms like Binance and Bittrex