David T. Nguyen

Full Stack Developer

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PROFILE

Full Stack Developer with over 10 years of experience building scalable, secure web applications across SaaS, e-commerce, and real-time gaming platforms — including Web3-ready casino systems. Proven ability to take projects from concept to deployment, with strengths in fast-paced solo development, game logic, and secure wallet integration.

PROJECTS

AI-Powered Support Assistant for SaaS Platform   01/2024 – 04/2025
React, FastAPI, OpenAI (GPT-4), Firebase
- Built GPT-4-powered chatbot to automate onboarding and reduce manual support by 35%
- Integrated vector search and escalation flow to human agents
- Deployed securely with Firebase; session-aware context handling
- Owned full lifecycle: design, dev, monitoring, analytics

Casino Gaming Platform   10/2024 – 05/2025
Vue.js, Node.js, MongoDB, WebSockets, AWS EC2, Docker
- Independently designed and developed a full-featured online casino site with 9 unique games: Cases, Case Battles, Roulette, Crash, Blackjack, Mines, Towers, Plinko, and Slide
- Built real-time multiplayer logic using WebSocket events for synchronous gameplay
- Implemented secure wallet system, in-game currency logic, and backend fairness logic
- Developed responsive frontend, admin dashboard, game states, and leaderboards from scratch
- Prepared backend structure with Web3 compatibility in mind for future crypto integration
- Deployed and managed the platform using Docker, AWS EC2, and GitHub Actions

Multi-Tenant Analytics Dashboard (SaaS B2B)   10/2023 – 05/2024
Vue 3, Node.js, PostgreSQL, Redis, Stripe, AWS EC2
- Created per-tenant analytics dashboard with Stripe billing and RBAC
- Built Redis queue workers and real-time metric refreshers
- Enabled autoscaling and CI/CD with GitHub Actions; lowered ops cost by 22%

Headless E-Commerce for Niche US Brand   06/2022 – 07/2023
Next.js, Sanity CMS, Stripe, Vercel
- Built mobile-first storefront with headless CMS and dynamic inventory sync
- Integrated Stripe checkout and admin backend tools
- Optimized SEO and Web Vitals; improved conversion rate by 28%

Remote Collaboration Dashboard (Healthtech)   01/2022 – 06/2023
React, NestJS, PostgreSQL, AWS S3, GitHub Actions
- Delivered HIPAA-compliant document portal for US healthtech firm
- Integrated audit logging, encrypted uploads, and team chat
- Released in 6-week sprints with remote Agile team (US-VN)

PROFESSIONAL EXPERIENCE

Full Stack Developer(Freelance)   10/2024 – Present
- Delivered custom SaaS and commerce platforms (Vue, Node.js, Laravel, AWS)   Remote
- Deployed via Docker with CI/CD (GitHub Actions, Firebase Hosting)
- Integrated 3rd-party APIs: Stripe, GPT-4, Twilio, Firebase
- Managed client priorities directly with startup founders

Contract Highlight: Gaming Platform (See Above)

Full Stack Developer   01/2022 – 09/2024
Andela   New York, US (Remote)
- Supported enterprise fintech/health clients with secure backend solutions
- Built reusable NestJS modules and RBAC controls
- Optimized PostgreSQL for multi-tenant data access; reduced query time by 40%
- Deployed via AWS (S3, EC2); used GitHub and Slack in daily Agile syncs

Full Stack Developer   02/2018 – 12/2021
SUTUNAM (EU Clients)   Remote (Hanoi Office)
- Modernized Laravel dashboards; migrated frontend from jQuery to Vue 2
- Introduced CI/CD and pull request reviews; cut regression bugs by 30%
- Created REST APIs consumed by EU partner platforms

Junior Web Developer   09/2012 – 01/2018
TMA Solutions   Ho Chi Minh City,
- Maintained CMS and internal tools with PHP, MySQL, jQuery   Vietnam
- Migrated UI to Vue.js; improved load speed and mobile UX
- Participated in daily standups, code reviews, and team demos

SKILLS

Frontend
Vue.js (2 & 3), React, TypeScript, Tailwind CSS, Bootstrap, Pinia, Vuex

Backend
Node.js (Express, NestJS), Laravel, FastAPI, .NET Core, PHP, REST, GraphQL

Cloud & DevOps
Docker, GitHub Actions, Vercel, AWS (EC2, S3, Lambda, RDS), Firebase, NGINX

Databases
PostgreSQL, MongoDB, MySQL, Redis

Integrations
Stripe, OpenAI (GPT-4), Twilio, SendGrid, Firebase, Auth0

Testing & QA
Jest, Mocha, Postman, Cypress, Swagger

Tools & Workflow
Git, Jira, Figma, Notion, Linux, Agile/Scrum, OAuth2

EDUCATION

BSc in Information Technology   01/2008 – 08/2012
Ho Chi Minh City University of Technology and Education (HCMUTE)   Ho Chi Minh City,
                    Vietnam

LANGUAGES

Vietnamese — Native/Bilingual   **English** — Fluent