

# Gia Hanh Nguyen

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## Experience

### Full Stack AI Trainer and Senior Reviewer, Outlier – Remote Contract

April 2024 – Present

- Implemented and refined Next.js React UI according to evolving project guidelines. Resolved build/runtime/logic errors, visual inconsistencies, and missing core features, ensuring responsive design, cross-browser compatibility, and adherence to WCAG accessibility standards
- Refined data annotation for agentic LLMs for version control, reviewing 100+ GitHub pull requests to refine code quality and issue resolution accuracy. Validated test cases by analyzing result logs before and after patches, ensuring test accuracy and coverage
- Provided actionable, rubric-based feedback to contributors. Held office hours for one-on-ones to address common issues and aligned team members with client expectations

### Full Stack Developer, Human's Hub – Remote Contract

June 2024 – December 2024

- Designed and developed a media room reservation system with a React-based interactive seat selection interface, Node.js-powered RESTful APIs, and a PostgreSQL database schema, enabling booking, payment processing, and seat availability updates
- Deployed the system on Heroku with HTTPS-secured APIs, Heroku config vars for sensitive credentials, and parameterized queries to prevent SQL injection
- Integrated PayPal and Stripe payment gateways into the Node.js backend using SDKs and webhooks for secure credit transactions
- Built an admin dashboard with React, JWT authentication, payment/refund management, booking oversight, and Nodemailer-powered email notifications to reduce administrative workload
- Conducted comprehensive testing using Jest, React Testing Library, Supertest, and Cypress for frontend, API, and end-to-end validation, including payment integrations with PayPal Sandbox and Stripe Test Mode

### Web Developer, The Royal Alberta College – AB Full-Time

August 2022 – April 2024

- Developed two e-learning platforms with WooCommerce and LearnDash, supporting 40+ courses and 12,000+ student enrollments
- Led site migrations with zero downtime, ensuring graceful degradation by maintaining compatibility with legacy WordPress versions, plugins, and server configurations during updates
- Integrated AWS Lambda for partner registration and data syncing, decoupling from WordPress, resulting in a 40% surge in partner course registrations. Configured IAM roles and AWS SDK for EC2-hosted WordPress instances to trigger Lambda via registration hooks, retrieve API credentials from Secrets Manager at runtime, and allow autoscaling with registration surges
- Enhanced AWS infrastructure with load balancing and auto-scaling to ensure optimal performance during peak traffic, and deliver static assets in structured S3 buckets via CloudFront.
- Built a custom React LearnDash management dashboard to track enrollments, monitor completions, and generate downloadable course certificates and reports. Enqueued React to WordPress admin pages and implemented SQL queries for efficient data retrieval

## Skills

- Frontend: React, Redux, Angular, Tailwind CSS, Material-UI, HTML, CSS, TypeScript, JavaScript
- Backend: Node.js, Express.js, PostgreSQL, Java, Spring Boot, Firebase, Firestore, REST APIs, PHP
- DevOps/Cloud: AWS (EC2, S3, Lambda, IAM, CloudFront), Heroku
- Testing/Tools: Cypress, Jest, React Testing Library, Supertest, Postman
- Other: WordPress, WooCommerce, LearnDash, Stripe SDK, PayPal SDK, Git

## Education

### University of British Columbia – B.Sc. in Computer Science

May 2022

- GPA: 3.80/4.00 | Awarded Deputy Vice-Chancellor Scholarship

## Projects

### T:3 AI Chat

[github.com/lilmergo/tcolon3-ai-chat](https://github.com/lilmergo/tcolon3-ai-chat)

- A web-based AI chat application built for the T3 Cloneathon, built with Node.js, React, and Tailwind CSS. Hosted at [tcolon3.vercel.app](https://tcolon3.vercel.app)
- Featuring multi-LLM chat integration via OpenRouter for diverse AI model support, user authentication with Firebase and chat history synchronization using Firestore, and web search-enabled chats powered by Serper API for real-time information retrieval.