NGUYỄN TRUNG NGUYÊN

Full Stack Developer

Phone: 0364036518 / Email: ntnguyen248nd@gmail.com / Dob: 24/08/2002
Portfolio: https://nguyendevportfolio.vercel.app
Linkedin: https://www.linkedin.com/in/ntnguyen248

Summary

I'm a Full Stack Developer with over 1 year of experience in Web Development, along with knowledge of UI/UX design. I enjoy solving front-end problems and creating the best experience for users. I also spend time learning new technologies and practicing to become a better developer.

Technical Skills

Programming Languages: JavaScript & TypeScript, Golang, PHP
Frontend: ReactJs, NextJs, Astro
Backend: NodeJs (ExpressJs, NestJs), Go (Gin)
Databases: PostgreSQL, MySQL, MongoDB, Redis
DevOps & Tools: Docker, Git, Linux
Foreign Languages: English (Basic – able to read technical documentation), JLPT N4 (in progress)

Experience

Fullstack Developer Intern | Tổng Công ty Công nghệ & Giải pháp CMC

- Learned how web development works by following senior developers and helping with daily coding tasks.
- Turned UI/UX designs into working web pages based on business requirements.
- Helped fix small bugs and improve front-end performance.

Fullstack Developer | MST Entertainment

- **Internal HR Management System:**
  - Tech Stack: React.js, Node.js, Express.js, MongoDB
  - Developed a full-featured internal Human Resources Management System from scratch to streamline core operations such as employee onboarding, attendance tracking, and leave management.
  - Designed and implemented secure authentication and Role-Based Access Control (RBAC) to enforce data access separation across departments.
  - Built dynamic dashboard interfaces for performance reviews and leave approval workflows, improving HR operational efficiency.
  - Developed RESTful APIs with optimized database queries to enhance system responsiveness for daily internal usage.
  - Structured scalable backend architecture following MVC principles and clean code practices.
- **YouTube Video Generator Use AI:**
  - Tech Stack: Next.js, NestJS, PostgreSQL, Redis (BullMQ), AI APIs.
  - Developed a modular backend using NestJS to handle script generation, voice synthesis, and scene data management.
  - Integrated third-party AI APIs (LLMs for script writing, Text-to-Speech for voiceovers) to dynamically generate video content.
  - Implemented an asynchronous job queue system using Redis + BullMQ to process heavy video rendering tasks (e.g., FFmpeg processing) in background workers.
  - Designed RESTful APIs for managing video projects, assets, and job status tracking.
  - Built a responsive timeline editor interface in Next.js, allowing users to preview and adjust AI-generated scenes before exporting.
  - Structured database schema in PostgreSQL for managing users, projects, scenes, and rendering jobs.
  - Applied authentication and basic access control to protect user-generated content.

Projects

Ichiraku Ramen Menu Online
- **Description**: A digital menu system that allows customers to scan a QR code at their table to view the menu and place orders using their smartphones.
- **Technologies:**
  - Front-end: HTML, CSS, JavaScript.
  - Back-end: NodeJs, PostgreSQL, WebSocket.
- **Features:**
  - Customers can access the menu without creating an account by connecting to the restaurant's Wi-Fi.
  - Implemented a device-based token system to keep the order session active, allowing customers to continue their order even after closing the browser for a short time.
  - Used WebSockets to sync the shared cart in real time, so multiple customers at the same table can add or edit items together.
  - Orders are sent to the kitchen immediately after being placed.
  - Staff can update order status (Cooking, Served,), and the changes appear instantly on customers' devices.
- **Source:**
  - Client & Back-end: https://github.com/TrungNguyen248/ichiraku
  - Admin: https://github.com/TrungNguyen248/ichiraku-admin

PixPaw
- **Description:** Built an e-commerce website for a canvas bag brand, focusing on product customization and modern user experience.
- **Technologies:**
  - Front-end: TypeScript, NextJs, React Three Fiber.
  - Back-end: Golang, Gin, PostgreSQL, JWT, Redis.
- **Features:**
  - Designed a modern fashion e-commerce UI.
  - Applied JWT for secure user authentication.
  - Built a 3D product customizer with React Three Fiber and Three.js.
  - Implemented image upload and decal placement on 3D models.
  - Developed shopping cart, checkout, ...
  - Implemented Redis-based checkout session handling.
  - Optimized images and 3D assets for better performance.
- **Source:**
  - Client: https://github.com/TrungNguyen248/pixpaw-fe
  - Admin: https://github.com/TrungNguyen248/pixpaw-admin
  - Backend: https://github.com/TrungNguyen248/pixpaw-be

Education

University Of Transport Technology (UTT)
- Information Technology - GPA 2.89/4