Nguyễn Công Khánh Tài

+84832597839 / tainguyencongkhanh@gmail.com / GitHub - taitai2107 | tainguyen-profile.is-a.dev

EDUCATION

Dai Nam University   *Jul 2024*
Bachelor of Information Technology

EXPERIENCE

HACOM (HANOI COMPUTER)
Backend Developer | *Sep 2024 – Feb 2025*

- Researched internal systems, frameworks, and technologies to ensure seamless integration.
- Designed and implemented CRUD APIs for transaction management.
- Developed features for data filtering, searching, and synchronization between production and development environments.
- Built APIs for Excel data import/export and custom reporting.
- Integrated APIs for data sharing with external business partners.
- Optimized database queries and schema to improve performance and reliability.
  Tech Stack: Microservices, CQRS Pattern, C#

VIETSENS
Software Deployment | *Apr 2025 – Jul 2025*
General Hospital of Viet Yen (Bac Giang) & Ba Be District Health Center

- Deployed Hospital Information System (HIS) across multiple departments.
- Trained and supported doctors, nurses, and administrative staff on HIS usage.
- Configured user accounts, departments, drug lists, and medical inventory data.
- Assisted with data entry and validated data volume to meet project deadlines.
- Customized print templates (exam forms, prescriptions, lab reports) to hospital requirements.
- Collected user feedback and worked with developers to resolve technical issues.
- Provided post-deployment support via helpdesk and ticketing system.

PROJECTS

Personal Profile Website
Project Description: Personal profile website with quick social links, flexible configuration, mobile-first design, multi-language support, smooth animations, and an integrated music player.
Responsibilities — Development (Backend):
• Built the app with React + TypeScript; set up Vite, Tailwind, ESLint.
• Implemented theme system, i18n, and local storage persistence.
• Developed the music player (play/pause, seek, volume/mute, track switch, loop).
• Optimized for mobile interactions and performance.
Features:
• Dark/Light theme toggle with user preference persistence.
• Music player: play/pause, seek, volume/mute, next/prev; reads playlist.
• Optional keyboard shortcuts for desktop; mobile-first controls with buttons.
• Smooth animations with Framer Motion; quick links to personal pages.
• i18n with react-i18next (multi-language).
• Vite + Tailwind for fast build and easy deploy.
Tech Stack: React, TypeScript, Vite, Tailwind CSS, Framer Motion, Lucide React, i18next, ESLint, Git
Source Code: GitHub – taitai2107/prf_config
Live Demo: https://tainguyen-profile.is-a.dev/

Expense Management Bot
Project Description*:* Telegram bot for personal finance tracking with monthly reports, Excel import/export, and spam prevention.
Responsibilities — Development:
• Built Telegram command/scene handlers; managed user state with Redis.
• Implemented monthly reporting (text) and Excel import/export.
• Added request rate limiting, structured logging, and error handling.
• Containerized services with Docker; prepared environment variables and deploy scripts.
Features:
• Secure account creation using Telegram IDs for data privacy.
• Detailed financial reporting with monthly summaries in text files.
• Excel import/export for income and expense data.
• User state management with Redis for efficient input handling.
• Spam prevention via request rate limiting.
• Containerized deployment using Docker.
• Built with OOP and Dependency Injection principles.
Tech Stack: Node.js, Redis, MySQL, Docker, Telegram API, WebStorm, Git
Source Code: GitHub – taitai2107/expense-management-bot
Setup Project: https://youtu.be/kecPBSeIgmA

Electronics Selling Website
Project Description: E-commerce website for electronics. Focus on backend services and performance.
Responsibilities — Backend Development:
• Designed and managed MySQL database schema.
• Implemented RESTful APIs for products and users.
• Added Redis caching to reduce response time and database load.
• Refactored backend modules for maintainability and clarity.
Features:
• Developed APIs for product and user management.
• Designed and managed MySQL database.
• Implemented Redis caching to enhance request performance.
• Refactored backend code for better maintainability.
Tech Stack: Vue.js, Node.js, MySQL, Redis, Git
Source Code: GitHub – taitai2107/Electro-Shop

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, C#, SQL (MySQL), HTML/CSS,
Frameworks: ASP.NET Core, Node.js,
Developer Tools: Git, Docker, Nvim, VS Code, WebStorm, Rider, Redis, Linux (Basic), CLI