Anh Tran

+1 (513) 356-1202 | anhdtran.forwork@gmail.com | linkedin.com/in/anhdtran11 | github.com/trnahhh | anhdtrn.com

EDUCATION

University of Cincinnati   Expected Dec. 2027
Bachelor of Science in Computer Engineering   *GPA: 3.71/4.00*
Coursework: Data Structures & Algorithms, Object-Oriented Programming, Database Management, Digital Design & Digital Systems, Cybersecurity, Network Analysis, Prompt Engineering, Artificial Intelligence
Affiliated: CodePath, University of Cincinnati Powerlifting Team

EXPERIENCE

Caphne - Tinder for Study Buddies (caphne.co)   Jan. 2026 - Present
Full-stack Software Engineer Fellow   *Ho Chi Minh, Vietnam*
- Engineered a full-stack study partner discovery platform using **Nuxt 3** and **Node.js**, shipping a preference-based matching algorithm with reverse-match support that scaled to **400+ active users** across FPT University.
- Implemented a real-time messaging system using **Socket.io** with a persistent **PostgreSQL** schema and browser push notifications, handling **1,600+ daily requests** with composable-based notification and connection management.
- Hardened backend security with **JWT** and **OAuth 2.0** (Google & GitHub) alongside **Typebox** schema validation middleware across **5+ API endpoints**, resolving cross-origin deployment mismatches between Railway and Vercel.

KatanaID - AI-integrated Authentication Toolkit (katanaid.com)   Dec. 2025 - Present
Founding Engineer   *Remote*
- **Co-founded** and architected a **production** authentication toolkit in **Go** and **React**, implementing **JWT** identity management, **OAuth 2.0**, rate limiting, and email verification handling **1,200+ daily requests**.
- Engineered a **4-layer** fraud prevention suite including **CAPTCHA** challenges, **browser fingerprinting**, **trust score** engine, and **email fraud detection** with domain pattern matching and prompt injection sanitization.
- Integrated **Google Gemini AI** for avatar generation and deepfake verification, building a **PostgreSQL-backed** analytics surfacing real-time usage history and user risk scores with **under 200ms average response time**.

JSC Bank for Foreign Trade of Vietnam (Vietcombank)   May 2025 - Jul. 2025
Technical Assistant Intern   *Hue, Vietnam*
- Maintained and troubleshot **30+** branch PC systems, sustaining **99%** uptime and uninterrupted banking operations.
- Guided **100+** customers **biweekly** in adopting digital banking services, reducing in-branch transactions by **15%**.
- Optimized reporting workflows for senior management, contributing to a **15% improvement in service efficiency**.

PROJECTS

Inyeon (GitHub) | *FastAPI, LangGraph, ChromaDB, scikit-learn, NumPy, Typer, Docker*   Jan. 2026
- Architected an **agentic AI** git assistant with **FastAPI** and **LangGraph** featuring **4 agents** applying **scikit-learn clustering** across **4 strategies**, achieving **zero downtime** and **100ms median response time** in production.
- Built **RAG-powered** analysis with **ChromaDB + Gemini**, developed clustering engine with **NumPy** across **30+ file types**, and achieved **100% test coverage across 90 cases** with **95% faster Docker builds (49s → 2.1s)**.

AnyuDock (GitHub) | *AWS S3, Bun, Hono, TypeScript, GitHub Actions*   Jan. 2026
- Built a **multi-user file storage system** handling **concurrent uploads up to 5GB** via **presigned URLs** to offload transfers directly to **S3**, achieving **sub-500ms p50 response times** and eliminating server memory bottlenecks.
- Architected **stateless API** with **Bun's native S3 client** and **CORS-enabled endpoints**, deployed via **GitHub Actions CI/CD** for automated releases, enabling horizontal scaling and serving **800+ requests** at peak.

FixBuddy - MakeUC (DevPost) | *React, Node.js, Express.js, MongoDB, Gemini API, LangChain* Nov. 2025
- Led a **3-person team** to build an **AI-powered repair assistant**, architecting a **dual-agent LLM pipeline** with **Gemini** and **LangChain** that **reduced API latency by 56% (32s → 14s)** through agent separation.
- Designed **MongoDB schema** with **3 collections** for users, integrated **YouTube Data API** for **top 3 tutorials**, and implemented **skill-based prompt engineering** across **3 difficulty tiers**.

TECHNICAL SKILLS

Languages: Go, JavaScript/TypeScript, SQL, Python, C/C++, C#, Java, HTML/CSS, MATLAB
Technologies: Nuxt.js, Vue.js, Next.js, React, Node.js, Bun, Express.js, SpringBoot, Chi, Gin, Hono, AWS, Docker, PostgreSQL, MongoDB, MySQL, REST API, FastAPI, Django, Flask, LangChain/LangGraph, ChromaDB, scikit-learn, NumPy, Tailwind CSS, Socket.IO, PyTest, Git, GitHub, Drizzle, Prisma, Supabase, Redis, CI/CD, Agile/Scrum, Linux