Tam Thien Nguyen

515-425-8752 | thiennguyentam56@gmail | linkedin.com/in/thien3110 | github.com/thien-nguyen3110 | portfolio

EDUCATION

Iowa State University — Expected Dec 2027
B.S. in Computer Science and Data Science (GPA: 3.5/4.0) — *Ames, IA*
- **Awards: Top 3** Web Developer out of **45** teams (WorkApp Capstone).
- **Coursework:** Data Structures and Algorithms, Database Management, Operating Systems, Cloud Computing, Software Testing, Machine Learning, System Design.

EXPERIENCE

CityBite — Sep 2025 – Dec 2025
Software Development Intern — *Ho Chi Minh City, VN*
- Built **food discovery and reservations platform** using **Node.js/Express** and MongoDB, preventing double-booking and confirming reservations in **under 2 min** for ∼**1,000 users** at peak.
- Deployed **autoscaling REST services** on **GCP Cloud Run**, tuning concurrency and autoscaling to reduce p95 latency by **35%** and shipping logs, alerts, and runbooks for on-call support.
- Optimized **browse and filtering pipeline** in **Vue.js** on **Vercel**, serving ranked, filterable listings and improving Lighthouse LCP by **40%** via code splitting, caching, and bundle profiling.
- Integrated **AI-driven recommendations and checkout** using **Google Maps Places API** and **Stripe**, ranking listings by proximity and ratings and supporting ∼**100 bookings/day** with server-side OAuth validation.

FPT Corporation — May 2025 – Aug 2025
Software Engineer Intern — *Da Nang, VN*
- Engineered a **full-stack e-commerce platform** using **Next.js** and **MongoDB**, shipping browse-to-cart-to-checkout flows and sustaining **6,000 requests/day** peak traffic with stable sessions.
- Reduced **storefront page-load latency** by ∼**30%** using **Next.js** image optimization and server-side caching, plus critical render-path tuning on top landing and product pages.
- Hardened the **Stripe Webhooks pipeline** using **Stripe Webhooks** and MongoDB event persistence, adding idempotency and retry/backoff handling to prevent duplicate processing under burst traffic.
- Instrumented **operability and release quality gates** with logs, dashboards, and alerts, then validated throughput at **2,000 RPS** using **k6** while maintaining **80%** coverage and cutting bugs by **15%**.

Iowa State University — Jan 2024 – Dec 2024
Undergraduate Teaching Assistant — *Ames, IA*
- Mentored **DSA debugging** in **Java** and **Python** for ∼**30** students/week, using structured code-walkthroughs to cut time-to-fix by **15 min** per assignment.
- Automated **grading and edge-case validation** with **Python**, reducing turnaround by **40%** and standardizing feedback quality through consistent rubric-based checks.

PROJECTS

ShopArround | *Next.js, Node.js/Express, AWS, Docker, MongoDB* — Jan 2025
- Deployed **end-to-end e-commerce system** on **AWS EC2** with Docker and GitLab CI/CD, enabling **2-min** releases for **100 users** with safe rollbacks via Amazon ECR.
- Instrumented **Stripe webhook pipeline** with **AWS Lambda** and CloudWatch, sustaining **1%** failure rate with **1-min** detection and adding Bedrock chatbot for **30 questions/day**.

WorkApp | *Java, Spring Boot, MySQL, WebSocket, GitLab CI/CD* — Aug 2024
- Architected **HR management system** using **Spring Boot** and MySQL, modeling **40+** tables with RBAC and reducing data inconsistency incidents by **50%** for ∼ **100 employees**.
- Shipped **real-time chat and notifications** with **WebSocket** and delivered **40+** REST endpoints via OpenAPI, reducing deployment toil by **15%** through GitLab CI/CD gates.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript/TypeScript, SQL, HTML/CSS
Frameworks: Spring Boot, Node.js/Express, Next.js, React, Vue.js
Cloud/DevOps: AWS (EC2, ECR, Bedrock), GCP Cloud Run, Docker, GitLab CI/CD, Jenkins, Vercel
Databases: MongoDB, MySQL, Firestore
Testing: JUnit, Mockito, k6, Lighthouse, Postman