Thang Ta

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SUMMARY

Software engineer with 4 years of experience delivering scalable, **microservices-based** portals for government benefits programs across multiple U.S. states.

Drives **full-stack development** and **CI/CD automation** to build resilient systems that support **millions of users** per state.

SKILLS

- **Languages, Frameworks & Libraries:** C#, ASP.NET Core, JavaScript, TypeScript, React, React Native, Next.js, Node.js (Express), Redux, Java, Spring Boot, HTML, CSS, Tailwind, Bootstrap, MUI, Python (FastAPI), C++

- **APIs, Messaging & Protocols:** REST, GraphQL, Kafka, RabbitMQ

- **Other:** Git, Elasticsearch, Logstash, Kibana, Jira, Notion, Agile, Scrum

- **Data, Caching & ORMs:** SQL Server, PostgreSQL, MongoDB, Redis, EF Core, SQLAlchemy, Mongoose

- **Cloud & DevOps:** AWS (S3, Lambda, EC2), Azure, Azure DevOps, AKS, Docker, Kubernetes, CI/CD (GitHub Actions, Jenkins)

WORK EXPERIENCE

Software Engineer

Deloitte - Remote   Apr 2024 – Present

- Build and operate **ASP.NET microservices** for a multi-state benefits platform, reducing **API latency by 15%** by tuning **EF Core** queries and shifting heavy workloads to **event-driven** processing via **Kafka**.
- Deliver **secure, high-throughput transaction APIs**; cut data-retrieval time by **10%** through efficient **indexing** and **pagination**, and improve reliability with **idempotent** endpoints, **retries**, and **circuit breakers**.
- Ship **React**, **Next.js** front-end with **Redux**; ensure accessibility compliance using **WAVE** and reviewing against government standards.
- Integrate an **LLM-powered claims assistant** into staff workflows, reducing average claim handling time by **30%**.
- Reduce cross-service coupling by refactoring a centralized batch system into a **domain-specific** architecture using **.NET background workers** in each service that poll a shared queue and execute business logic.
- Increase **batch processing throughput** and **reduce peak-time latency by 10%** by eliminating unnecessary traffic from **batch service** to other services and using a scheduler to run heavy jobs during off-peak windows.
- Strengthen event-pipeline resilience using **Kafka retries** and **dead-letter queues**, improving recovery speed after failures.
- Partner closely with **QA** and **DevOps** to integrate **end-to-end tests** into the **CI/CD** workflow reducing release-related incidents by **15%**.

Software Developer

TravelHotline - Remote   Mar 2023 – Apr 2024

- Developed and launched **React Native-based travel app**, implementing authentication and booking features, improving **app load time by 10%.**
- Built **30+ reusable UI components**, streamlining development and reducing **feature rollout time by 25%.**
- Integrated **third-party APIs** for data retrieval, enhancing **user experience** and **functionality.**
- Spearheaded migration from **C#/ASP.NET Core** to **FastAPI**, modernizing infrastructure and reducing **API response time by 35%.**
- Partnered with **UX/UI** designers to refine the **user interface**, contributing to a 12% increase in **user retention.**

Jr. Software Engineer

MedImpact - Tempe, AZ   Jan 2022 – Feb 2023

- Developed and enhanced internal tools using **React** to enable staff to efficiently query and adjust health insurance plans (for clients such as Safeway and Kaiser Permanente), improving task workflows and data accuracy.
- Built REST APIs with **Java (Spring Boot)** and optimized **SQL** interactions to support plan management, reducing processing time for client requests.

EDUCATION

- **Master of Science: Data Science**

Grand Canyon University

- **Bachelor of Arts: Business Administration**

Arizona State University