

# Thang Ta

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## SUMMARY

**Software engineer** delivering scalable **microservices-based** portals for government benefits programs across multiple U.S. states. Drive **full-stack development** and **CI/CD automation** to build resilient systems that support **millions of users** per state.

## SKILLS

- **Frontend:** JavaScript, TypeScript, React, React Native, Next.js, Redux, HTML, CSS, Tailwind, Bootstrap, MUI
- **Backend:** C#, ASP.NET Core, Node.js (Express, NestJS), Python (FastAPI), REST, GraphQL, Kafka, RabbitMQ
- **Tools & Methodologies:** Git, Jira, Notion, Agile/Scrum
- **Data & Caching:** SQL Server, PostgreSQL, MongoDB, Redis, EF Core, SQLAlchemy, Mongoose
- **Cloud:** AWS (S3, Lambda, EC2), Azure DevOps, AKS, Docker, Kubernetes, CI/CD (GitHub Actions, Jenkins), Elasticsearch, Logstash, Kibana

## WORK EXPERIENCE

### Full-stack React .NET 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 work 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 removing 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%**.

### Full-stack 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**.

### Data Analyst

MedImpact - Tempe, AZ

Jan 2022 – Feb 2023

- Designed and optimized **SQL queries** and **Python scripts**, reducing **data processing time by 30%**.
- Handled **50+ client requests/month** across Salesforce projects, automating workflows and boosting **team efficiency by 20%**.

## EDUCATION

- **Master of Science: Data Analytics**

Grand Canyon University

- **Bachelor of Arts: Business Administration**

Arizona State University