Xuan (June) Trinh

FullStack - ASP.NET Core (WebAPI) , Angular(11+), Next.Js

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Summary

A Full-Stack Developer with 3 years of experience building high-performance web applications using .NET Core and Next.js.Expertise in architect **Scalable Software** systems and implementing real-time WebSocket communication(SignalR) for **seamless user interactions, and CI/CD automation**. Passionate about leveraging cutting-edge technologies and industry best practices to develop efficient, maintainable, and future-proof software solutions with an intuitive UI and seamless user experience.

Experience

Jung Talents
Full-Stack Developer
January 2023 - Current

- **Database Performance Optimization** – Refactored and fine-tuned critical SQL queries, leading to a **35% improvement in API response times** and significantly boosting platform responsiveness.
- **Production System Maintenance** – Maintained and iteratively enhanced a mission-critical production application, achieving **99.9% uptime** while improving system resilience and user satisfaction through proactive monitoring and hotfix deployment.
- **Design and Optimised API End point** - Develop API (Restful and GraphQL end point) from existing Business Requirement, Domain Model. Optimised DTO in order to reduce **Excess API calls by 29%.**

https://www.jungtalents.com/

Jung Talents
Backend Developer - Contractor
Febuary 2022 - January 2023

(12-month contract)

- Assigned to a cross-functional team for the PTE Master commercial platform.
- Collaborated on optimizing backend services using Entity Framework Core and LINQ, significantly enhancing data consistency and query performance.
- Contributed to the development of real-time features and exam flow logic, ensuring reliability and stability by adhering to a Test-Driven Development (TDD) lifecycle.

https://www.jungtalents.com/

Projects

PTE Master
Build the platform from scratch, Intergrate pre-trained AI model into compiling, validate student test.
Feb 2022 - Present

- Migrate to a .NET Core WebAPI with Load Balancer, **reducing server load by 40%** while maintaining modular scalability.
- Optimized PostgreSQL queries, **reducing response times by 35%**
- **Maintain existing Restful API endpoint** and intergrate **GraphQL** end points to reduce over fetching.
- Utilise existing CI/CD Pipelines with GitHub Action to ensure coding standard accross environment.
- Reduced cloud infrastructure **costs by 25%** by optimizing compute resource allocation in AWS, while maintain business requirement.

Typescript, Docker, Jira, PostgresSQL, ASP.NET Core, Apache Kafka, Redis, Jest, xUnit, NoSql, Angular 13, S3, EC2, ECR, c#, WebAPI, Agile

https://www.masterpte.com.au/

Green Bench Migration
Upgrade Platform from .NET 5.0 to .NET 9.0. As well as, update front end UI.
Nov 2024 - Present

- Optimised SQL and optimised **fetch time by 22%.**
- **Ensure Coding standard is preserved.**
- **Achieve 99% test coverages.**

Angular, Typescript, ASP.NET Core, PostgresSQL, Redis, GraphQL, xUnit, TailwindCss, EKS, s3, Agile

https://greenbench.com.au/

CarinaEye Care
Modernise old, outdated platform.
june 2023 - December 2024

- Reduced **no-show rates by 15%** through automated appointment reminders, increasing SMS cost overhead.
- Optimized SQL Server indexing, **reducing query execution time by 30%,**.
- Migrated to Next.js, improving **page load speed by 50%,** by optimising server-side rendering (SSR).
- Cut content update time by 70% through a user-friendly CMS, increasing staff efficiency

NextJS, Typescript, TailwindCss, Framer Motion, ASP.NET Core, Docker, PostgresSQL, EKS, S3, Waterfall, Headless CMS

https://carinaeyecare.com.au/

Compare n Save
Comparen Save allows users to compare 100s of home loans andinvestmentloansfrom Australia ' s most trusted lenders.
July 2023 - Jan 2024

- Migrated to GraphQL, reducing **no-show rates by 16%.**
- Optimized SQL Server indexing, adopting GraphQL to aid in reduce **over-fetching by 60%**
- Implemented Redis caching, cutting **API response time by 35%** , at an increasing memory usage costs.
- Optimized UI rendering, **decreasing FCP time by 33%** via frontend refactoring

GraphQL, PostgresSQL, Jira, Redis, ASP.NET Core, Docker, EKS, TailwindCSS, Typescript, xUnit, WebAPI, S3, Agile, NextJs

https://comparensave.com.au/

Skills

C#	Typescript	React	ASP.NET Core
WebAPI	Angular (11+)	NextJs	Redis
			NoSQL, Cache
PostgresSQL	Docker	REST API	GraphQL
SQL			
Jest	xUnit	AWS S3	AWS API Gateway
test	test		
AWS Lambda	AWS DynamoDB	AWS EC2	Agile
	cloud, NoSQL		

Personal Projects

Leaning via space repetition Modular Monolith application
Completed the architecture design for a modular spaced-repetition learning system built on a high-throughput, event-driven monolith.

Mar,25 - Current

The system uses RabbitMQ to orchestrate batch-based SQL persistence, Redis cache syncing, and recovery signaling across modules.
Planned features include rollback mechanisms via soft and hard recovery, supported by DeltaLog tracking, snapshot replay, and correlation-based traceability.
EFCore BulkExtension is integrated for deferred flushing, and all write operations are designed for idempotency and version-safe mutation.
Snapshot and delta log strategy ensures the system can be made crash-safe and replayable at high throughput (10k+ batch events/hour).

https://github.com/thanchi-tr/IdeaSpace/tree/main/docs

Portfolio Website

- An Artistic exploration of animation and color palette to convey a clean, futuristic, dreamy feeling while maintaining a professional layout. Website intentionally expresses my personality (playful, colourful) alongside a logo with the slogan (iterative innovation) that captures my life goal.

NextJs, TailwindCss, FramerMotion, GSAP

https://junetrinh.dev/

Multiplayer Fizz Buzz
Real time, multiplayer game
June 2024 - Jan 2025

An exploration of RPC using signalR, Application is built with NextJs and DOTNET core (Web API & SignalR). With integration of Auth0, Serilog in order to preserve the Security standard.

SignalR, NextJs, ASP.NET Core, WebApi.NET, Auth0, Serilog, MsSql

https://github.com/thanchi-tr/FooBooRealTime-front-next, https://github.com/thanchi-tr/FooBooRealTime-back-dotnet

Education

University Of Melbourne
Major in Computing and Software system.
Bachelor of Science
2018-2023

Languages

English	Vietnamese
Proffesionally proficency	Professionally Proficiency

Work right

Full work right (Australian Citizen)

References

Reference available upon request.