

TRUONG GIANG (AUSTIN) DO

Full Stack Developer

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SUMMARY

I am a committed and passionate software developer that excels in learning and adapting to new technologies and programming languages, leveraging my strong foundation in C++, C#, .NET, PostgreSQL, React.js and TypeScript. My ability to thrive in both collaborative and independent environments is complemented by excellent communication skills and a keen eye for detail. My professional experience has strengthened my ability to deliver precise, efficient, and creative solutions to complex challenges.

WORK EXPERIENCE

Jung Talents

July 2024 - Present

Software Engineer - Australia

- Designed, developed, and deployed scalable, high-performance web applications **PTE Master** using **ASP.NET Core**, leveraging its modular architecture by implementing **Dependency Injection**.
- Experienced with ORM using **Entity Framework Core** to perform database migrations and manage data access layer, utilized **LINQ** for querying and manipulating data collections.
- Deployed .NET applications to **AWS** using services such as EC2, S3, RDS, IAM, CloudFront, and Route 53 for scalable and secure cloud solutions..
- Containerized applications using **Docker**, improving scalability and deployment efficiency.
- Optimized application performance by implementing caching strategies using **Redis** and leveraging **async/await** patterns for asynchronous programming.
- Wrote unit test using **xUnit** to ensure code reliability and maintainability.
- Integrated authentication and authorization mechanisms using **Auth0** to ensure secure access to application resources.
- Integrated **Serilog** for structured and scalable logging in .NET applications

OPSWAT

Oct 2022 - Apr 2024

Software Engineer - Vietnam

- Designed and implemented APIs and new features for **Metadefender Core**, the central component of OPSWAT's cybersecurity platform, using **C++** and the **Qt framework**.
- Optimized **PostgreSQL** database queries, achieving up to **10x faster data retrieval**, and implemented strategic data caching to enhance system performance.
- Enhancing system security by implementing updated security protocols and practices.
- Prioritized user experience while developing and integrating new features, leading to an **80% adoption rate for key feature updates**.
- Provided direct customer support when development team involvement was required, handling issues with professionalism and efficiency, resulting in a **98% user satisfaction rating**.

TMA Solutions

Dec 2020 - Sep 2022

Software Engineer - Vietnam

- Develop and maintain **Cirpack** IMS core network which provide a SIP-based rich communication services for telecommunication operators. My duty is to work as a software engineer in charge of maintaining the system, investigating and fixing the issues, increasing performance by solving memory error issues, implementing new features and writing unit tests.

SKILLS

Languages & Databases: C#, C++, JavaScript/TypeScript, SQL, PostgreSQL, SQL Server.

Frameworks & Libraries: .NET Core, Qt, React.js, Entity Framework Core, LinQ, Next.js.

Cloud, DevOps & Tools: AWS (IAM, EC2, Lambda, S3, RDS, CloudFront, Route 53), Azure (App Services, Azure Functions, Azure DevOps), Docker, Docker Compose, Nginx, Git/Github, BitBucket, SVN, Jira, Postman, Jmeter, Vercel, GitHub Actions, Agile/Scrum .

Testing & Software Development: xUnit, Jest, OOP, SOLID Principles, TDD, Design Patterns, Multithreading, Delegates & Events, Memory Management.

Soft Skills: Teamwork, Problem-Solving, Adaptability, Good Explainer.

PERSONAL PROJECTS

FizzBuzz Game

- Developed a 3-tier web application for the classic FizzBuzz game using **ASP.NET Core** for building efficient **web APIs** and **React** to provide an interactive and engaging user experience.
- Implemented ORM with **Entity Framework Core** on **PostgreSQL** for seamless database migrations and managing the data access layer.
- Containerized the application with **Docker** to ensure smooth and efficient deployment across different environments.

To Do List

- Developed a web application that enables users to organize tasks efficiently, featuring a user-friendly UI built with **Next.js** and a reliable **ASP.NET Core** backend.
- Implemented **JWT-based authentication** to secure sensitive data and ensure proper user authorization.
- Utilized **ASP.NET Core middleware** for consistent and centralized error handling, ensuring smooth error management throughout the application.
- Integrated **PostgreSQL** with **Entity Framework Core** to achieve high performance and scalable database management.
- Containerized the application with **Docker** to streamline deployment and enhance portability across environments.

EDUCATION

Flinders University

Jul 2024 - Jul 2026

Master of Computer Science

University of Information Technology, Vietnam National University

Sep 2016 - Dec 2020

Bachelor of Computer Engineer

PUBLICATIONS

Dai Duong Tran, Truong Giang Do, Thi Giang Truong, The Duc Do, “[IEEE - Risc-V Random Test Generator](#)”, 2021 15th International Conference on Advanced Computing and Applications (ACOMP), Nov 2021.

Do Truong Giang, Do The Duc, Phan Dinh Duy, “research of applying iris recognition into smart home – Conference of young scientists and postgraduates”, Hochiminh city, Vietnam, 2020.