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, HTML, CSS, and JavaScript. 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

- Developed API endpoints using **ASP.NET Core** for user authentication (**Entity Framework Core** and **LINQ**), services, focused on consistency.
- Engaged in the PTE Master project by harnessing **Next.js**, **ASP.NET**, **MySQL**, and **AWS**. Primarily focused on elevating search functionalities and refining course recommendation systems, resulting in a more user-friendly and efficient platform.
- Assisted database migration from on-premises to cloud and modified queries on PTE document search to optimize the search feature for PTE Master project.

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), 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.