



HA DUY HAU

FULL STACK DEVELOPER

Life-long learner

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I'm a dedicated software developer well-versed in Fullstack development and database management. I Love solving business/technical challenges by delivering high quality software solutions.

EXPERIENCE

SOFTWARE DEVELOPER

HealthFOX Ltd. | Salo , Finland | July 2024- Present

- **Built** React (TypeScript) components integrated with .NET Core APIs, improving UX and enabling faster iteration cycles.
- Modernization of a large **ASP.NET MVC 4.8** platform to **ASP.NET Core 9**, introducing Dependency Injection, middleware routing, authentication, and distributed caching.
- **Refactored** data access layer to **Entity Framework Core**,build maintainability and cutting query complexity.
- **Drove customer-centric improvements** via weekly demos and cross-team collaboration, ensuring zero downtime during migration.

Achievements and skill gained:

- Successfully delivered a large-scale migration with zero downtime, ensuring business continuity.
- Strengthened expertise in legacy-to-modern system migration, CI/CD pipelines, and microservices-ready architecture.
- Improved ability to work in cross-functional teams, aligning product development with customer workflows.
- **Technical skills polished:** C#, React (TS), ASP.NET Core, EF Core, SQL Server, Docker, Azure DevOps, Microservices.

SOFTWARE DEVELOPER

AEM Afore Oy | Turku, Finland | May 2023- May 2024

- Designed and developed a new **UI and backend controller** for wafer testing machines used in quantum and semiconductor chip validation.
- Optimized API performance and integrated SQL Server database for high-volume test data.
- Delivered a high-performance prototype that enhanced test efficiency and operator usability.
- Collaborated with cross-functional teams (R&D, operations, sales) in an **Agile/Scrum** environment.

Achievements and skill gained:

- Delivered a high-performance Wafer Test Machine prototype, enhancing testing capabilities for precision hardware.
- Strengthened expertise in full-stack development including database integration, API design, performance optimization, and agile collaboration.
- Gained experience in working collaboratively with diverse teams and adapting to customer-centric development.
- **Technical skills polished:** C#, React (TS), ASP.NET Core, EF Core, SQL Server, Docker, Azure DevOps, Microservices.

FULL-STACK DEVELOPER

Integrify | Helsinki, Finland | November 2022 - January 2023

Achievements and skill gained:

- Enhanced front-end development skills by building **dynamic and responsive user interfaces**.
- Strengthened back-end expertise, including **API design and database integration**.
- Improved system deployment and automation workflows using **CI/CD and Docker**.
- Technical skills polished: React, TypeScript, Redux, C#, ASP.NET Core, MongoDB, SQL Serve, Docker, CI/CD.

MOBILE DEVELOPER TRAINEE

Commu App | Tampere, Finland | August 2022 – December 2022

- As a mobile developer, used React Native to build an app for a marketplace that makes it easier for users to ask for and recieve help.
- The frontend technologies used were React Native and Typescript, while the backend technologies used were PHP, Laravel, and PostgreSQL.

EDUCATION

MASTER MODEN SOFTWARE AND COMPUTING SOLUTIONS

Oulu University Applied of Sciences (OAMK) | Oulu, Finland | January 2024 – Present
B.ENG. IN ENERGY & ENVIRONMENT ENGINEERING

Tampere University Applied of Sciences (TAMK) | Tampere, Finland | September 2015 - September 2020

SKILLS

FRONTEND

JavaScript,TS , React, Redux, SASS, Bootstrap, TypeScript, Material-UI

BACKEND

Node.js, Express.js, REST API, JWT, C# .NET

MOBILE

React Native

DATABASES

PostgreSQL, MongoDB, MySQL

TESTING

Jest, Unit Testing

DEVOPS

Bash, Docker

CLOUD

AWS, Azure

OTHER

Figma, Adobe Photoshop

BASIC KNOWLEDGE

CI/CD

ACCOMPLISHMENTS

JavaScript Algorithms and Data Structures (April 2022)

AWS Certified Cloud Practitioner, AWS re/Start (December 2022)

LANGUAGES

English - Fluent

Vietnamese - Native