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📍 Vaasa, Finland

BINH NGUYEN

SOFTWARE DEVELOPER



As a Gen Z tech enthusiast with two years of hands-on experience in Software Development, I began my coding journey right after high school, driven by a fascination with the creative possibilities of software. Initially drawn to art, I found a deeper sense of fulfillment in software development, where crafting algorithms brings both tranquility and purpose. My personal standards in programming are rigorous, focusing on both the internal and external aspects of every product. I am fully committed to dedicating my heart and soul to each creation.

CORE SKILLS

- **CONCEPTUALS:** Object Oriented Programming, SOLID Principles, REST, Git, Agile, UX Design.
- **LANGUAGES:** C#, Javascript, Typescript, Python, Java
- **FRAMEWORKS & LIBRARIES:** ASP .NET Core, NodeJS, LINQ, XUnit, React, Jest, .NET Core, ElectronJS, Android, React Native, Pytest, Vue3, NextJS, LangChain, OpenCV
- **DATABASES & ORM:** PostgreSQL, MS SQL Server, MongoDB, Entity Framework, Azure SQL
- **DEVOPS & CLOUD:** Github Action, Docker, Azure DevOps, Jira, Kubernetes, Azure Cloud

LANGUAGES

- English: Fluent
- Vietnamese: Native
- Finnish: Elementary

ACCOMPLISHMENTS

- [Azure Developer Associate \(AZ-204\)](#)
- [Full Stack Open – CI/CD](#)
- [Full Stack Open – TypeScript](#)
- [Full Stack Open – React Native](#)
- [Full Stack Open – GraphQL](#)
- [Full Stack Open – MERN Stack](#)
- [AI For Everyone](#)
- [Full Stack Integrify](#)

WORK EXPERIENCES

SOFTWARE DEVELOPER TRAINEE

Integrify | Helsinki, Finland (January 2024 – September 2024) | 9 mos

Stack: C#, TypeScript, PostgreSQL, React, .NET, Azure Cloud

- Designed and implemented advanced Front-End solutions for the Synchronize Ecommerce Platform, enhancing user experience.
- Led a team of 3 developers in developing robust Back End solutions successfully and integrated an Event Management API with Azure Cloud Services for system reliability and scalability.

THESIS RESEARCHER

ITD Group | VAMK | Vaasa, Finland (September 2023 – May 2024) | 9 mos

- Conducted AI script tests for Video Management System.
- Created test reports and onboarding docs, set up a simulation environment for testing and validation.

STUDENT PARTNER

Pinja Oy | Vaasa, Finland (September 2023 – December 2023) | 4 mos

Stack: Javascript, Vue3.js, Bryntum library, Azure DevOps

- Designed, developed, and built the Pinja Gantt Chart front-end project, working with Vue3.js under the guidance of Pinja company in the collaboration with 2 other developers.

SOFTWARE ENGINEER INTERN

ITD Group | Ho Chi Minh city, Vietnam (January 2023 – August 2023) | 8 mos

Stack: C#, Winform, DevExpress, Angular, ElectronJS, Python, Pytest, Numpy, MS SQL Server, YOLO, OpenCV

- Worked with cross-functional teams of fifteen members
- Gathered feedback for application enhancements, successfully delivering 3 updated versions of the voting counter application.
- Served as an AI API Testing Engineer in a microservice team of 4 software engineers, contributing to test reports and API documentation.

CO-FOUNDER – CREATIVE MANAGER

Synchronize Recording Studio | Vaasa, Finland (April 2020 – April 2022) | 2 yrs

- Collaboration with over thirty industry partners.
- Successfully released twenty eight music products to the market
- Successfully protected over twenty music copyrights.
- Web design, pattern design, brand and label design.
- Worked with advertising platform of Google and meta to reach the targeted audiences.
- Official Youtube channel:
<https://www.youtube.com/@synchronizerecordingstudio6693>

FEATURED PERSONAL PROJECTS

SYNCHRONIZE ECOMMERCE

TypeScript, React, Tailwind, C#, ASP.NET, PostgreSQL, Azure App Service

- The platform serves as an avenue for selling fashion products associated with Synchronize Recording Studio.
- Collaborated closely with 3 developers throughout the project.
- Deployment URL: <https://synchronize-ecommerce-fcsi-7z3b0x6xc.vercel.app>
- Front-end repository:
<https://github.com/tripplen23/synchronize-client>
- Back-end repository:
<https://github.com/tripplen23/synchronize-server>

RESEARCHING AND AI API TESTING STRATEGIES FOR VIDEO MANAGEMENT SYSTEM

Python, OpenCV, YOLO, Numpy, Pytest

- Conducted in-depth analysis and coding for the Intelligent Video Management System, directly influencing a 30% reduction in false alarm rates, thereby optimizing resource allocation for security personnel within the organization.
- Public URL of thesis: <https://www.theseus.fi/handle/10024/854589>

AZURE EVENT MANAGEMENT SYSTEM

C#, .NET, Azure Cloud, Azure Function, Azure Service Bus, Azure Cosmos DB, Azure Application Insight, Azure Blob Storage

- A robust web API for event management using ASP.NET Core, Entity Framework Core, and PostgreSQL.
- Integrated Azure cloud services for seamless storage, monitoring, and performance optimization.
- Project repository: <https://github.com/tripplen23/az-eventmanagement>



GENERATIVE AI BIO GENERATOR

NextJS, TypeScript, TailwindCSS, GroqCloud, Vercel AI SDK

- An AI service for generating bio in different social platform,
- Integrated modern design component by shadcn, magicUI, and Vercel V0.
- Optimize prompting for AI models.
- Deploy URL: <https://bio-generator-wine.vercel.app/>
- Project repository: <https://github.com/tripplen23/bio-generator>

MY EVENTS BACKEND

NodeJS, TypeScript, LangChain, GroqCloud, MongoDB

- Build generative AI chain using LangGraph.
- Optimize event searching information with Vector search AI integrated.
- Set up Docker image and handle containerized logic.
- Work with 2 other developers.
- Project repository:
<https://github.com/tripplen23/myEvents/tree/develop/server>

EDUCATION

BACHELOR OF INFORMATION TECHNOLOGY

Vaasa University of Applied Sciences (VAMK) | Vaasa, Finland | Graduated in May 2024

FULLSTACK DEVELOPMENT PROGRAM

Integrify Academy | Helsinki, Finland | Graduated in June 2024