BINH NGUYEN

SOFTWARE DEVELOPER

Vaasa, Finland

Will be rewritten:

Binh is coding enthusiast on the verge of completing his bachelor's degree in IT at Vaasa University of Applied Sciences. Binh's coding journey began after high school, sparked by a deep fascination with the potential of code. Despite briefly pursuing art, he found coding to be his most fulfilling form of creative expression. His exploration of C#, TypeScript, Figma, and AI Testing brought him tranquility, surpassing the busyness of his previous artistic endeavors. The joy he derives from coding drives his ambition to use software development as a means to spread positivity, aiming to elevate it to the level of a masterful art form. His dedication to coding is evident in his thesis topic on AI testing in camera systems, where he invests significant daily time into algorithm analysis and development. Over 1.5 years, he has actively honed his coding skills, focusing on languages like JavaScript, Python, React, and Vue.js.

RECENT PROJECTS

Synchronize Ecommerce (Integrify Academy)
React, TypeScript, Tailwind CSS, Redux Toolkit, Unit testing, UX

The platform serves as an avenue for selling fashion products associated with Synchronize Recording Studio.
Collaborated closely with lecturers and study partners throughout the project, benefiting from their invaluable support and guidance. This experience not only enhanced technical competencies in TypeScript, Framer Motion, and TailwindCSS, but also honed important soft skills like communication and time management. This hands-on involvement provided a wealth of knowledge and a truly valuable learning experience.

Researching and AI API Testing Strategies For VMS
Python, NumPy

The thesis project is a research report for the iSecurity project at ITD Group in Vietnam. It has been a fantastic opportunity to delve into the research aspect of the Intelligent Video Management System, which is built using Flask Python. This experience has given me a better grasp of how AI APIs function and the specific microservice structure on which the project is built. The thesis aims to be a 'beginner's guide,' and I am thrilled to have contributed to the API documentation for this project.

EXPERIENCE

SOFTWARE ENGINEER INTERN Internship
ITD Group Vietnam | Ho Chi Minh city, Vietnam | February 2023 – August 2023 (7 mos)

• Collaborated with a team of 5 members on the development of the Shareholder Election Software Application, utilizing Gitlab and Redmine while adhering to Agile methodology
• Gathered feedback from the vote counting committee to update and enhance the necessary features of the application
• Gained valuable experience in technologies such as SSMS, C# DevExpress, SAP Crystal Report, and C# Winform
• Had the role of an AI API testing engineer on ISecurity Project within a team consisting of 1 senior and 3 interns
• Developed and executed unit test cases for APIs, ensuring scalability and overall quality assurance of the product
• Generated comprehensive test case reports and contributed to writing API documentation for the client's business
• Authored test scripts for additional AI features being developed by the company
• Provided training to future team members, further strengthening expertise in this domain
• Conducted research on the ElectronJS and TauriJS frameworks, as well as the Handsontable library, to enable cross-platform scaling for the IOKI application, which is based on OKR principles, for Cross-platform Scaling Research, IOKI Application project

STUDENT PARTNER Internship
Pinja | Vaasa, Finland | September 2023 – December 2023 (4 mos)

• Designed, developed, and built the Pinja Gantt Chart front-end project, working with Vue3.js and the Bryntum Gantt Chart library under the guidance of Pinja company
• Collaborated with two team members and managed project tasks through Azure DevOps, employing Agile methodology by breaking down the project into three sprints with daily scrum meetings
• Sprint 1: Focused on planning and designing essential features based on user stories, organized source version control management, and established a time schedule for project execution
• Sprint 2: Implemented the development process for all required features, packaged the code, and delivered it to Pinja for feedback assessment
• Sprint 3: Addressed feedback from Pinja by resolving any bugs, writing test cases, and producing the final report and project documentation

CO-FOUNDER – CREATIVE MANAGER Self-employed
Synchronize Recording Studio | Vaasa, Finland | April 2020 – April 2022 (2 yrs 1 mos)

• During the Covid-19 social distancing period, I spearheaded the creation of a music collective, bringing together talented Gen Z individuals
• Had a role as Audio Engineer and managed tasks such as recording, mixing, and overseeing designers or producers while collaborating with various partners
• Worked with Nyukyung – Way Back #STOPASIANHATE (https://www.youtube.com/watch?v=oNMTbqUQ__M) and Why do we fight (#WDWF) - Vy Pekkala x MUSIC.BY.TEA (https://www.youtube.com/watch?v=fI9FM_unXaE)

EDUCATION

FULL STACK DEVELOPMENT PROGRAM (FULL-TIME)
Integrify Academy | Helsinki, Finland | January 2024 – Present

B.ENG. IN INFORMATION TECHNOLOGY
Vaasa University of Applied Sciences (VAMK) | Vaasa, Finland | August 2020 - July 2024

SKILLS

FRONTEND
JavaScript (Vue.js, React Router), React (Redux, React.js, Next.js, RTK Query, Vite, React Testing Library, Redux Toolkit), TypeScript

BACKEND
C# (.NET Framework, .NET Core, ASP.NET Core), Python (Flask, NumPy, Python notebook), Node.js (Express.js, Apollo Server)

MOBILE
React Native, Android

DATABASES
PostgreSQL, GraphQL, MongoDB, MySQL

TESTING
Jest, Cypress, Postman, XUnit, Unit testing

DEVOPS
Git, Docker, GitHub Actions, Azure DevOps, GitHub CI/CD, Vercel

CLOUD
Azure

OTHER
Figma, ElectronJS

BASIC KNOWLEDGE
.ASP, .NET Framework, Android, React Native, GraphQL, Angular, Azure, PostgreSQL

LANGUAGES

Vietnamese – Native

English – Advanced

Finnish – Beginner (A1-A2)

ACCOMPLISHMENTS

Full Stack Open – CI/CD, University of Helsinki (November 2023)

Full Stack Open – TypeScript, University of Helsinki (September 2023)

Full Stack Open – React Native, University of Helsinki (October 2023)

Full Stack Open – GraphQL, University of Helsinki (August 2023)

Full Stack Open, University of Helsinki (May 2023)