

Viet Hai Nguyen

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PROFILE

Versatile software engineer with over 4 years of experience building robust, scalable applications using C# and .NET. Rapid learner with a strong ability to analyze and resolve complex problems efficiently. Recognized for delivering intuitive tools that enhance productivity and reliability in dynamic, technology-driven environments.

EXPERIENCE

Morphotonics B.V. Software Engineer

Jan 2022 – Present
Veldhoven, NL

- Developed an OPC UA-based system for hardware communication and control.
- Created simulation tools to enable testing without physical hardware.
- Designed and implemented dashboards for real-time monitoring and data visualization.
- Created user-friendly interfaces to simplify complex machine configurations.
- Implemented a secure internal tool for remote deployments, reducing manual workload.
- Configured and maintained Ubuntu servers for production systems.
- Automated testing and deployment using Azure DevOps CI/CD pipelines.
- Collaborated with engineers and stakeholders to define features and support system rollout.
- **Technologies:** C#, .NET 8, Blazor, OPC UA, MongoDB, MudBlazor, CI/CD, Ubuntu

Smit Thermal Solutions B.V. Junior Software Engineer

Jul 2021 – Dec 2021
Eindhoven, NL

- Gathered system requirements and created UML diagrams to generate PLC code using Cordis Suite.
- Wrote and tested structured text code for B&R PLC systems.
- Supported testing and commissioning by fixing bugs and adjusting control logic.
- **Technologies:** UML, Cordis Suite, Beckhoff PLC, B&R PLC

8vance Graduation Intern

Sep 2020 – Feb 2021
Venlo, NL

- Built a web interface to demonstrate a deep learning model that detects emotions in facial expressions.
- **Technologies:** Python, Django, OpenCV, Angular

EDUCATION

Fontys University of Applied Sciences Bachelor of ICT & Software Engineering

Feb 2017 – Feb 2021
The Netherlands

SKILLS

Programming Languages: C#, Java, Python, SQL
Frameworks & Libraries: .NET 8, Blazor, MudBlazor, Django
Tools & Platforms: Git, Azure DevOps, Azure Pipelines, Linux
Databases: MongoDB, SQLite
Principles & Practices: SOLID, Test-Driven Development (TDD)

ADDITIONAL INFORMATION

Languages: English (Fluent), Dutch (A2), Vietnamese (Native)

Work Authorization: Long-term EU residence permit