**PHUONG NGUYEN DUY**

**Senior Software Engineer**

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**SUMMARY**

With six-year background in diverse facets of .NET development, database design, and technical support. I have extensive experience developing legal, e-commerce, management, banking, and education products.

I like helping other and work well with group. I can also do some mentoring tasks and code reviewing for other members.

**EXPERIENCE**

**MANTU**  May 2023 - Present  
***SENIOR SOFTWARE ENGINEER***  
**Project:** ITCS

**Customer:** Mantu

**Project description**: The ITCS stand for IT common services where to build the common services for the company: Location, survey, messageHub,...

**Team size**: Up to 10 members

**Responsibilities**:

* Meeting with PO and teammates to get clear requirements to develop new features.
* Involve as a scrum member.
* Contribute ideas to develop the product.
* Supporting teammates.
* Investigating the issues and Providing the solutions.
* Building the UI component and integrating with the other teams.
* Maintenance of the legacy system.
* Implementing the new features for the new project.
* Creating the new pipeline for the CI/CD.
* Reviewing code.
* Design architecture and database.

**Technologies:**

* Back-end: .NET 6, .NET Framework 4.8, SqlServer, Hosted services
* Front-end: Vue3, Vite, CSS, TypeScript
* Third party: Google APIs
* Cloud computing: Azure as Azure app services, Azure mornitoring, Azure pipeline,…
* Testing: Unit testing, Specflow

**POSITIVE THINKING COMPANY**  Jun 2022 – May 2023  
***SENIOR SOFTWARE ENGINEER***  
**Project:** McK CostGauge – Diagnostic tool

**Customer:** UK

**Project description**: This is a diagnostic tool used by mining operations. It helps Mine Managers understand opportunities to make cost savings. It started as an Excel model, and today is a Web-based tool offered as SaaS. The model (business logic) is in .NET with a PostgreSQL database, and a Web front end.

The current roadmap is re-factoring the model, building a new user experience on the front-end, and adding further models for different types and parts of mining operations.

**Responsibilities**:

* Meeting with PO and teammates to get clear requirements to develop new features.
* Refactoring the legacy system and designing a new structure for a new project.
* Aggregating data and building APIs.
* Supporting leader to plan and estimate for the newsprint.
* Supporting QC for testing the new features and repairing data tests.
* Supporting teammates to trade bugs and fix bugs.
* Implementing unit tests and integrating tests for increasing test coverage.
* Using graph query and mutation to get data from the Hasura tool.
* Using Hasura migration to generate a new table, view, and function.
* Handling parallel functions to improve performance with Hangfire.
* Handling excels files with NPOI library.
* Using Azure storage to store the excel file.

**Technologies:**  .NET 6, PostgreSQL, GraphQL, Hangfire, Hasura.

**SAIGON TECHNOLOGY**  Jul 2021 – Jun 2022  
***.NET DEVELOPER***  
**Project:** Idealpos Portal – POS system

**Customer:** Idealpos -Australia

**Project description**: a system that manages users, invoices, orders, and subscriptions. Besides, the system exposes data to share for other services.

**Team size**: up to 7 members

**Responsibilities**:

* Meeting with customers and teammates to get clear requirement. Develop the frameworks and modules of the system.
* Refactoring the legacy system, designing a new structure for a new project.
* Building a Angular project.
* R&D new technologies.
* Supporting client including writing user guide, initial data test, document APIs.

**Technologies:** .NET framework, .NET core 3.1, RestfulAPI, Angular 5, SQL, EF6, EF Core, MSA.

**NASHTECH LIMITED** Aug 2019 – Jul 2021

***SENIOR SOFTWARE ENGINEER(*Jan 2021 - Jul 2021)**

**Projects**: TV Benchmarking – Diagnostic tool

**Customer**: Ebiquity - UK

**Project description**: This is a diagnostic tool used by social media operations. It helps Ads Managers understand opportunities to make cost savings. It started as an Excel model, and today is a Web-based tool offered as SaaS. The model (business logic) is in .NET with a SQL database and Mongo database, and a Web front end. The current roadmap is re-factoring the model, building a new user experience on the front-end, and adding further models for different types and parts of ads operations.

**Team size:** up to 35 members

**Responsibilities:**

* Providing solutions to improve performance when users import the large files (caching data).
* Reviewing code with the team.
* Designing database schema, sync data from SQL to MongoDB.
* Implementing Integration test, unit test to cover code.
* Working process follow Scrum method.
* Composing Technical note(workflow diagram, DB schema, RESTful API endpoint contract...)
* Improving performance.

**Technologies:** ASP .Net Core 3.1 Web API, SignalR, EF Core Code First, SqlServer, MongoDB, Angular, Material UI, XUnit, NUnit, Aspose, EPPlus, Integration test and Unit test.

***SOFTWARE ENGINEER(*Aug 2019 - Jan 2021)**

**Projects**: Management System - Internal tools

**Responsibilities:**

* Fixing bugs, implementing new features.
* Learning the process of company and passing the exams.
* Implementing feature satisfied OWASP TOP 10.
* Implementing APIs for the project.
* Maintenance of the legacy system.

**Technologies:** ASP .Net Core 3.1 Web API, Web Socket, EF Core Code First, SqlServer, Angular, Flutter, Material UI, XUnit, Nunit, EPPlus, integration test and unit test.

### DEVINITION SOFTWARE SOLUTIONS SUPPLIER Aug 2018 - Jul 2019 *ASSOCIATE DEVELOPER*

**Projects**: ITJobs - Recruitment services for IT professionals

**Customer**: TOG Recruitment - Holland

**Project Description:** A Website that provides a platform for human resources, headhunter to scan resume and hire employees. Besides the employees can sign up to upload resume and find jobs.

**Team size**: Up to 5 members

**Responsibilities**:

* Designing database.
* Implementing APIs for web application using .NET framework, .NET Core 2.1.
* Implementing UI for web apps.
* Gathering business requirements.

**Technologies:** .NET Core 2.1, EF core code first, SQL server, Bootstrap, HTML, CSS, JavaScript.

### THAISON TECHNOLOGY DEVELOPMENT COMPANY LIMITED Oct 2015 - Sep 2016 *FRESHER*

**Projects**: eBH – Social Insurance system

**Project Description:** eBH software supports businesses to make records and perform transactions related to the operations of Vietnam social insurance.

**EDUCATION**

**University Of Science** **2012 - 2016**  
Software Engineering

### NashTech Limited 2019 ASP.NET Core 3.0 Certificate

**Wall Street English** **2020 - 2022**  
Diploma In English Level 14

**SKILLS**

### KNOWLEDGE

* Deep understanding about OOP, SOLID principles, Dependency Injection, ...
* Good understanding about the Agile and Scrum process
* Good understanding software design, database design, RESTful API, ...
* Good time management, presentation and teamwork skills ...
* Basic understanding Docker, Dapper

### FRAMEWORKS & PLATFORMS

* .NET Framework / .NET Core
* ASP.NET MVC / Entity Framework / LINQ to SQL
* ASP.NET Core / Entity Framework Core
* ASP Web API / RESTful API / JSON, XML
* jQuery / Bootstrap / Angular Material
* Angular 2+

### PROGRAMMING LANGUAGES

* C# .NET
* Structured Query language(SQL)
* JavaScript / TypeScript
* HTML / CSS

### DATABASE

* Microsoft SQL
* MySQL
* MongoDB

### VERSION CONTROL

* Git (Git Shell & GitHub)
* Team Foundation Server
* SVN (TortoiseSVN & VisualSVN)
* Sourcetree

### OTHER SKILLS

* Integration test / Unit test
* AutoMapper
* OWASP
* Training & Mentoring