

# CURRICULUM VITAE

Nguyen Duc Thang









## Personal Information

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## Skill Summary

I'm Thang Nguyen, an Automation Test Engineer in Da Nang, Viet Nam. I ensure code meets top standards, with a focus on quality and reliability. Known for my meticulousness and problem-solving skills, I excel in crafting and executing test plans. Let's connect and collaborate!

## Technical Skills

 <b>OS</b>	Window/ Linux/ Mac
 <b>Programming languages</b>	Python, C#, Bashshell, Tcl/tk, Java, Typescript, javascript
 <b>Database</b>	MySQL, MS SQL, MongoDB
 <b>Communication &amp; Networks</b>	MC Protocol, SEC/GEM, TCP/IP layer 3 level, ModBus
 <b>Frameworks &amp; Libraries &amp; Services</b>	.netcore, .netFW, robot, Cypress, Playwright, xunit, nunit, BDD, TDD...
 <b>Methodologies &amp; Tools</b>	Selenium, Specflow, Appium, Katalon, PostMan, JMeter, SOAP, MobSF

## Working experience

<b>Company</b>	<b>Nashtech</b>
<b>Location</b>	<b>Da Nang</b>
<b>Project</b>	<b>Atlanta Replatform</b>
<b>Duration</b>	22-Nov-2021 - 04-Apr-2024
<b>Project Description</b>	<p>Atlanta is one of the UK's largest insurance brokers handling over 1.2 million calls a year and relationships with over 30 leading insurance providers.</p> <p>Atlanta started working since Dec -2018. The team help Atlanta to develop a Web Portal using CMS (Sitefinity) that provides quoting and purchasing service. This Web Portal will communicate with the API Core Platform built upon latest technology stacks (including .NET Core, Microservice, Docker, Docker Swarm/ Kubernetes, CQRS) and fully CI/CD process.</p> <p>The ODC is providing development service that developing new products with enhancements and evolution of main product over time</p>
<b>Project Technology</b>	<ul style="list-style-type: none"><li>- MSSQL Server</li><li>- SOAP, Postman, JMeter</li><li>- CDL</li><li>- Azure pipeline</li><li>- Selenium C#, Specflow</li><li>- Playwright</li><li>- Web service Restful API</li></ul>
<b>My Position</b>	Senior Automation Tester
<b>My Responsibility</b>	<ul style="list-style-type: none"><li>- Collaborate with UK team to support automation tests ensuring all services function as designed.</li><li>- Debug data transmission between CDL, Frontend, and Backend to ensure synchronization.</li><li>- Maintain and execute automation scripts for regression testing locally and through Azure pipelines.</li><li>- Debug and resolve issues promptly arising from updates or changes by the development team.</li></ul>

<b>Company</b>	<b>FPT</b>
<b>Location</b>	<b>Da Nang</b>
<b>Project</b>	<b>Pavaso</b>
<b>Duration</b>	Sep-2021 - Nov-2021
<b>Project Description</b>	Pavaso is an online notarization project where individuals do not need to meet face-to-face to sign documents; instead, they can do so online. There are three parties involved: the seller, the buyer, and the party with the authority to certify the transaction. All transactions and certifications utilize digital signatures and are legally recognized.
<b>Project Technology</b>	<ul style="list-style-type: none"> <li>- Digital signature</li> <li>- Video streaming</li> <li>- CI/CD: Jenkin</li> <li>- Automation test: C# Specflow</li> <li>- Online notarization process</li> </ul>
<b>My Position</b>	Senior Automation Tester
<b>My Responsibility</b>	<ul style="list-style-type: none"> <li>- Analyzing requirements</li> <li>- Planning automated tests</li> <li>- Creating test scripts using C# and specflow.</li> </ul>

<b>Company</b>	<b>Smartdev</b>
<b>Location</b>	<b>Da Nang</b>
<b>Project</b>	<b>CCP</b>
<b>Duration</b>	Feb-2021 - Sep-2021
<b>Project Description</b>	<p>CCP is project about Contactless Companion Platform.</p> <p>Smartlink and Ingenico, built with its industry leading dual interface smart card chip for multiple applications and form factors.</p> <p>With CCP in place, a user can make digital cash payments via any enabled contactless device of their choice, such as a dedicated smart card, wristband, key fob, or even a mechanical watch or a smart ring.</p>
<b>Project Technology</b>	<ul style="list-style-type: none"> <li>- CCP technology.</li> <li>- Fintech</li> <li>- Online payment</li> <li>- Mobile Security Framework (MobSF)</li> </ul>

	- Mobile automation(Appium)
<b>My Position</b>	Senior Automation Tester
<b>My Responsibility</b>	<ul style="list-style-type: none"> <li>- Develop test strategies for CCP technology and online payment systems.</li> <li>- Create automation frameworks integrating tools like Appium for mobile automation.</li> <li>- Test online payment processes for reliability and security.</li> <li>- Implement security testing using Mobile Security Framework (MobSF).</li> <li>- Ensure cross-platform compatibility of mobile applications.</li> </ul>

<b>Company</b>	<b>Smartdev</b>
<b>Location</b>	<b>Da Nang</b>
<b>Project</b>	<b>Koleda</b>
<b>Duration</b>	Oct-2020 - Feb-2021
<b>Project Description</b>	Koleda is an IoT project where devices are connected to a centralized system and controlled or scheduled via a central app. Users can remotely manage or schedule individual devices in different rooms through the app.
<b>Project Technology</b>	<ul style="list-style-type: none"> <li>- Sensor</li> <li>- MQTT</li> <li>- MongoDB</li> <li>- SMS notification.</li> <li>- Data analyze</li> </ul>
<b>My Position</b>	Team Leader
<b>My Responsibility</b>	<p>Work as a test lead and technical support:</p> <ul style="list-style-type: none"> <li>- Work with dev team to develop test strategies and plans.</li> <li>- Coordinate testing activities and assign tasks to team members.</li> <li>- Review and approve test cases and scripts.</li> <li>- Conduct regular meetings to discuss testing progress and address any issues.</li> <li>- Provide technical support to team members and assist with problem-solving.</li> </ul>

<b>Company</b>	<b>Global Equipment Services</b>
<b>Location</b>	<b>Ho Chi Minh City</b>
<b>Project</b>	<b>LG-Lisianthus, Nelson</b>
<b>Duration</b>	Oct-2017 - Oct-2020
<b>Project Description</b>	Lisianthus and Nelson are automation projects, utilizing image analysis technology to check whether the phone screen meets the manufacturer's standards or not. The products that pass the inspection will be used for phone lines such as iPhone, Samsung...
<b>Project Technology</b>	<ul style="list-style-type: none"> <li>- Semiconductor</li> <li>- C# WPF (Windows Presentation Foundation) and MVVM (Model-View-ViewModel) architecture.</li> <li>- PLC (Programmable Logic Controller)</li> <li>- MySQL</li> <li>- MCprotocol (Mitsubishi Electric's industrial communication protocol)</li> <li>- Takt time (Cycle time or production rate)</li> <li>- SEC/GEM (SECS/GEM - Semiconductor Equipment Communication Standard / Generic Equipment Model)</li> <li>- Image processing</li> <li>- IOT</li> <li>- Matlab</li> <li>- Vision technology</li> <li>- Data processing list out all Responsibility of senior developer</li> </ul>
<b>My Position</b>	Senior Software Engineer
<b>My Responsibility</b>	<ul style="list-style-type: none"> <li>- Develop desktop applications using C# WPF and MVVM for scalability.</li> <li>- Develop and debug PLC-based software for industrial automation.</li> <li>- Design and optimize MySQL databases for efficient data management.</li> <li>- Implement MCprotocol for communication with Mitsubishi Electric's industrial equipment.</li> <li>- Analyze and improve production efficiency based on takt time metrics.</li> <li>- Implement SEC/GEM standards for semiconductor equipment communication.</li> <li>- Develop algorithms for image processing and computer vision tasks.</li> <li>- Develop software for IoT devices and platforms.</li> <li>- Develop algorithms and models for mathematical analysis.</li> <li>- Design data processing pipelines and applications for data analysis.</li> </ul>

<b>Company</b>	<b>Global Cybersoft</b>
<b>Location</b>	<b>Ho Chi Minh City</b>
<b>Project</b>	<b>Directv</b>
<b>Duration</b>	Oct-2012 - Oct-2017
<b>Project Description</b>	DirecTV is a digital satellite service serving the United States. It also provides traditional linear television service delivered by IP through its U-verse TV brand and a Virtual MVPD service through its DirecTV Stream brand. Its primary competitors are Dish Network, traditional cable television providers, IP-based television services, and other over-the-top video services.
<b>Project Technology</b>	<ul style="list-style-type: none"> <li>- Firmware</li> <li>- Eclipse RCP</li> <li>- Automation test framework design</li> <li>- Image processing</li> <li>- Textract</li> <li>- Tcl, expect</li> <li>- Robotium</li> <li>- Roboelectric</li> <li>- Bash/shell</li> <li>- OpenCV</li> </ul>
<b>My Position</b>	Senior Tester
<b>My Responsibility</b>	<ul style="list-style-type: none"> <li>- Writing a system to download and install firmware to settop box using tcl/tk</li> <li>- Create detailed test cases to cover all aspects of firmware functionality, including edge cases and error handling.</li> <li>- Execute test cases to verify the functionality, performance, and reliability of firmware across different hardware configurations.</li> <li>- Develop and maintain automated test scripts to streamline repetitive testing tasks and increase test coverage.</li> <li>- Work closely with firmware developers and other team members to understand requirements, clarify ambiguities, and resolve issues effectively.</li> </ul>

## Education, Qualifications and Special Achievements

Major	University & College	Graduated Year
Data Science	edX	2019
Automation industrial	Bach Khoa University	2012
Software develop	Softech Aptech	2007

## Certifications

Licenses & certifications	Date of Issue
ACCELQ Automation Expert	Mar 2024
ACCELQ Automation	Mar 2024
Tricentis Testim	Feb 2024
Tricentis Tosca AS1	Feb 2024
mabl advance	Jan 2024
mabl foundations	Jan 2024
mabl nonfunc	Jan 2024
Ethical Hacking Black Hat Techniques - SSH Tunneling	Oct 2023
Web Application Hacking & Penetration Testing	Oct 2023
BDD with Selenium Webdriver and Specflow using C#	Sep 2021
Complete Katalon Studio 2020 for Web + API Test Automation Complete	Aug 2021
Katalon Studio 2020 for Web + API Test Automation	
ESL English: Understand Real English Conversation	Aug 2021
POSTMAN API Testing	Aug 2021
Azure DevOps Fundamentals	Aug 2021
NLP - Natural Language Processing	Jul 2021
Computer Vision: Face Recognition	Jun 2021
Cypress -Modern Automation Testing from Scratch + Frameworks	Jun 2021
Cypress test automation	Jun 2021
Create and use a pagination user control in WPF MVVM	Feb 2020
OpenCV Complete Dummies Guide to Computer Vision	Oct 2019