LINH HONG NGUYEN

#### IT Consultant

Summary

An Embedded Software Engineer with entry-level experience specializing in software development, microcontrollers, hardware design, and firmware.

Adept at identifying opportunities to enhance hardware and software performance for large-scale technology implementations

Knowledge

* **Technologies**:
  + C/C++, python, Design patterns, OOP
  + Debugging and troubleshooting
  + Full product life-cycle development
  + Front-end: JavaScript templating, jQuery, jQuery plugins, Bootstrap
  + Database: MS SQL Server, PostgreSQL, MySQL
  + Win32 API
  + SCM: Git, SVN
  + OS: Windows, Linux, VM
* **Functional Expertise**:
  + Project management with Waterfall or SCRUM methodologies
  + Business analysis
  + Software architecture and design: Anticipate Problems, Design Pattern, detailed design
* **Industry Expertise**:
  + E-Commerce, E-Learning
  + Semiconductor
  + SCADA
  + Logistics.

Hitachi Experience

### Hitachi Vantara Vietnam

##### Technical Lead, Web-based Healthcare Management System Sep 2022– Current

This is a powerful and secured Clinical Image Viewer application that enables physicians to view Images, Reports and Schedule appointments from anywhere through smartphones, tablets, desktops and touchscreen devices with no need to download and install special software.

* **Responsibilities:**
* Develop applications using C/C++ and python
* Design and maintain
* Directly communicate with the client for clarifying requirements, solution discussion
* **Accomplishments:**
* Experienced Scrum methodologies
* Grabbed the current trends on web application technologies
* Strong experience in Sencha frameworks, JavaScript, SCSS/CSS, HTML5
* Knowledge of web architectural patterns: MVC, MVVM
* Knowledge of dotNET Core
* Designed and developed Embedded 'C/C++' code for printer system
* **Technologies**:
* dotNET Core 2 (ASP.NET, C# 6, MVC 5.0, Web API, Entity Framework 7)
* Auth0 (OpenID Connect, MFA, SSO)
* Restful web services
* Sencha Touch/ExtJS
* HTML5, SCSS/CSS3
* Firebird, Microsoft SQL Server 2016, Pentaho, Microsoft SSRS
* xUnit.NET, Jasmine/Karma
* Mirth Connect
* Redmine, Git, SVN

### Hitachi Vantara Vietnam

##### Intership Sep 2022– Feb2023

Scope of the project is to port from a PHP-based web application to ASP.NET Core MVC.

* **Responsibilities:**
* Complete C/C++ and Python language training
* Complete Win32 exercise
* Design and code for JetDrive project
* **Accomplishments:**
* Knowledge of C/C++
* Knowledge of Embedded system
* Knowledge of Win32 API
* Develop teamwork, communication, and problem-solving skills
* **Technologies**:
* C/ C++
* Win32 API
* Git, SVN
* Visual studio

Prior Work History

### Da Nang University of Science the Technology

##### Member of team Oct 2018 – Jan 2023

* **Project’s name: Temperature-Humidity-AWS**
* Temperature & Humidity data logging on Amazon web services IoT Core with NodeMCU ESP8266 using Adruino IDE and MQTT Protocol
* **Tech stack**: C/C++
* **GitHub**: https://github.com/HLinhNguyen283/Temperature-Humidity-ESP8266-AWS

### Da Nang University of Science the Technology

##### Member of team Oct 2018 – Jan 2023

* **Project’s name: Obstacle\_avoiding\_robot/RTOS**
* This project requires to design and build a robot system that can run straight and avoids obstacles. A program based on Real-time Operating System (RTOS) for microcontroller to control robot
* **Tech stack**: C/C++
* **GitHub**: https://github.com/HLinhNguyen283/Obstacle\_avoiding\_robot-RTOS

Education and Certifications

* Automatic and Control Engineering Technology - 2023

Administrative: INTERNAL USE ONLY

This section contains addition instructions and information used for searching and should be deleted prior to use for external purposes. LEGAL REMINDER: Resumes should NEVER be included in legal documents such as Master Service Agreements, Statements of Work, or Engagement Letters.

Purpose

This template primary purpose of this resume template is to provide a simple, consistent format to capture and organize pertinent resume information that can be used primarily for staffing purposes. It is not intended to be a format that will serve all internal and external purposes, but it has been designed in such a way that resumes can be easily modified to serve specific needs. It is assumed that the content may need to be combined, rearranged, reworded, or edited in other ways to meet specific internal or external needs. Given this purpose, please provide as much information as possible in the appropriate formats in order to provide the most flexibility in usage.

Specific Instructions

**Summary** – Please be sure this is in paragraph form and will be easily copied to a single PowerPoint slide.

**Work Experience** – Please use format in bullet from rather than paragraph form. Please include technologies where relevant.

**Footer** – Please be sure to edit the Footer content to include your name.

Client Cross Reference

Instructions:

1. Once you have completed your resume, right click on one of the “Generic Company Name” items and click on UPDATE FIELD. Your generic company names used in the resume will be automatically populated.
2. Enter the actual client name on the same line in the right column as the generic version in the left column.

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| **Generic Client Name** | **Actual Company Name** |
| [An IT Consultancy Company in Singapore](#_Toc525754171)  [A steel factory in Malaysia](#_Toc525754172)  [Generic Company Name #3](#_Toc525754173) | IBM Singapore  Factory XYZ in Kuching, Malaysia  Actual Client Name |