

# Bong Chong Hiang

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[bong033.github.io/portfolio/](https://bong033.github.io/portfolio/)

## Summary

11 years in the IT industry:

During this period, I have excelled in various supporting roles, developing a keen ability to **troubleshoot** issues **systematically** and **efficiently**. My accumulated work-experiences has enabled me to learn and adapt quickly to new technologies and processes, ensuring **minimal downtime** and **optimal performance** at the workplace.

3 years in the Engineering industry:

Here, I have diversified my expertise by contributing in both product development as well as production-support roles. This experience has broadened my skillsets, allowing me to understand and apply my knowledge and skills in engineering projects, and contributing to their success

In addition to my professional experience, I am proactively enhancing my skills and competencies through online learning. Most recently I acquired the skills and knowledge in **full stack development** conducted by Temasek Polytechnic. Having undergone rigorous training and contributing extensively to the development of a capstone project in **JavaScript**, **Java** and **Spring Boot**. I am enthusiastic and better-prepared to embark on a career in web and internet application development.

## SKILLS

### Programming Languages:

Asp.Net Core 8.0 MVC C#, Java, JavaScript, ReactJS, HTML, CSS, Pascal, C++, Basic, Node Red .

**Databases:** MSSQL, MySQL, PostgreSQL

**Diagnostic Tools:** CLI

## RECENT ACCOMPLISHMENT

### Container Management Solutions — ASP.NET CORE 8.0 MVC C#, MSSQL, JavaScript, Bootstrap v5.3

Features include: -

- Users Authorisation and Roles using IdentityUser method.
- Code First Approach for MSSQL.
- CRUD Operation.
- Master Data.

## LANGUAGES

**SPEAKS:** English | Mandarin

**WRITES:** English

## EXPERIENCE

### Valle Verde Pte Ltd — *Software Developer*

December 2024 - March 2025

- **Spearheaded** the development of a web application for Shipment Container Management system using ASP.Net Core 8.0 MVC C#, JavaScript and Bootstrap v5.3.

### Temasek Polytechnic — *Junior Full Stack Developer (Professional Development)*

July 2024 - November 2024

- **Technical skills** acquired include HTML, CSS, JavaScript, Bootstrap, Git version control using Git and GitHub, Java, Spring Boot, MySQL and ReactJS.

(Portfolio) <https://bongo33.github.io/portfolio/>

### Precision Motion Control Pte Ltd — *Assistant Application Engineer*

August 2021 - February 2024

- **Guide** customers in troubleshooting Schneider product issues, such as connectivity and configuration via Modbus TCP/RTU, OPC UA.
- **Develop** and **debug** demo/Schneider **software testing** on IEC 61131/61499 (Schneider PLC/HMI programming).
- **Proactively** participate in **evaluating** new products and **emerging technologies**.
- **Developed** training **documentation** on PLC programming for external customers.
- **Spearheaded** the development of a software solution for Power Monitoring Devices using Java, Node-Red, MySQL and Schneider Application Software.

### Anglo-Sima Janitorial Supplies Pte Ltd — *Robotics Engineer*

March 2021 - July 2021

- **Demonstrate** new deployment and troubleshooting for Autonomous Cleaning Robot.
- **Develop** and refine mapping solutions .
- **Execute** path planning using Teach & Follow/Auto Cover.
- **Analyze** and **interpret** data from 2D/3D lidar and ultrasonic sensors.

### Robotics Automation Centre in Excellence — *(Professional Development)*

September 2020 - March 2021

- **Design** basic part models and assemblies using Solidworks.
- **Implement** and **optimize** rotary motor and direct drive linear motor.
- **Evaluate** a wide range of bearings, including deep groove, air and angular contact bearings.
- **Employ** Strategic Thinking, Design Thinking and SCRUM methodologies.
- **Simulate** basic factory operations using Visual Component 4.2.
- **Utilize** XYZ slicer for Additive Manufacturing applications.
- **Program** and **configure** PLCs with Universal Robot/Hanwha via Raspberry Pi.

**Talariax Pte Ltd** — *Technical Support Executive*

July 2019 - April 2020

**Freelancer** — *Transcriber*

March 2006 to July 2019

**Getronics Solutions (S) Pte Ltd** — *System Engineer*

March 1998 to March 2006

**Bridge Information System** — *Field Service Engineer*

May 1996 to June 1997

**Fujitsu Singapore Limited** — *Customer Engineer*

June 1994 to May 1996

**Maxtor Peripherals (S) Pte Ltd** — *Engineering Assistant*

June 1990 to June 1994

**Hewlett Packard Singapore (Pte) Ltd** — *Quality Technician*

June 1989 to June 1990

**PROFESSIONAL / INDUSTRY CERTIFICATE**

**Temasek Polytechnic**

*Professional Certification in Full Stack Developer*

October 2024

**NTUC LEARNINGHUB PTE LTD**

*NICF – MTA Windows Server Administration Fundamentals (PCP) (SF)*

*NICF – MTA Security Fundamentals (PCP) (SF)*

*NICF – MTA Networking Fundamentals (PCP) (SF)*

*NICF – Linux Command Line and Shell Scripting (PCP) (SF)*

*NICF – Cisco CCNA Routing & Switching Part 1 (CCENT, ICND1) (PCP) (SF)*

*NICF – Cisco CCNA Routing & Switching Part 2 (CCENT, ICND2) (PCP) (SF)*

December 2019

**EDUCATION**

**Central Queensland University** — *Degree of Bachelor in Computing*

(C++)

March 1998

**Informatics Computer School** — *NCC Diploma in Computer Studies*

(Cobol, Pascal)

December 1993

**Singapore Technical Institute** — *ITC Electronic Engineering*

June 1987