# Hiroyuki **MATSUBARA**

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PROFILE

**I have been working as a highly focused software developer for over 20 years in a variety of development fields and industries.  I have held  various engineering positions and acquired a wide range of cutting edge skills through following professional experiences such as:**

- Embedded software programming for Brake-ECU in the automotive

- Creating smart-meter applications for Electric Power company using IoT technology

- Developing wide range of web applications in a variety of languages

- Applying cutting edge IoT technology to the agriculture field

**Through the many projects I have worked on which required expert skills  in translating business requirements into technical solutions, I believe I have shown an organised, methodical and a keen eye for detail and  have created good results using solid coding to create trustworthy software programmes.**

**I am looking for a new challenge and to further expand my skill set. I always take on new positions with enthusiasm and enjoy taking responsibility for my work.**

EDUCATION

**Graduate Diploma in Computer Science**
Victoria University, Melbourne Australia
Graduated 2003

**Bachelor of Engineering, Department of Communications Engineering**
Osaka Electro-Communication University, Osaka, Japan
Graduated 1990

EXPERIENCE

2019 May-Sep  **Benesse Co,.Ltd. (Okayama, Japan)**

- maintained and developed practice exam system to rank examiee's

  acceptable university with their mark

**2019 Feb  Self-employed (Osaka, Japan)**

- Created a website* for a deodorant maker in Osaka Japan.
  *) Refer to https://jtitanl.jp/

- Created a website* for a uniform retailers association in Osaka japan.
  *) Refer to http://kaidukairyou.main.jp/

**2018 Aug-Dec  Self-employed (Sydney)**

- Created a website[*] and suggested web marketing for a signboard import company in Australia.
  *) Refer to http://au.acoceania.com/

- Launched my business website* for marketing.
  *) Refer to https://sinceretechnology.com.au

**2018 Aug-Dec NIPPON EXPRESS (AUSTRALIA) PTY.LTD.  (Sydney head office) Export staff**

- Worked at export&import department for indivisual customers.

**2018 Jun-Aug OKUMA FARM PTY.LTD. (Carnarvon, Farm manager)**

- Worked at Carnarvon farm as a farm cultivation manager.

**2018 Jan-May Self-employed (Japan)**

- Programmed online drawing function for T-shirts design web site[*].
  *) Refer to https://paintory.com/

**2012-Present        Family Business (Japan)**
- Created a web site for Matsubara Farm[*] which my family owns.
  *) Refer to *http://aspara-farm.info*

- Developed Cultivation Support System to support cultivation of corps and greenhouse monitoring system especially for my family business including the following functions:
  - ・Order/crop yield management
  - ・Information management and sharing
  - ・Greenhouse environment monitoring[*]
  - ・A multi-tenant web application
  - *) Refer to https://sinceretechnology.com.au/ja/iot-matsubarafarm/

**2008-Present        Self-employed (Japan)**

- Created a web site[*] to promote and sell antiquebuckles imported from US.
  *) Refer to *http://antiquebuckle.jp/*、 *http://antiquebuckle.ocnk.net/*

**2014-2017  Chuou Computer Co., Ltd., Kagawa, Japan**
*Senior Software developer*

- Created external/internal design documents for a windows tablet application (using IoT technology) to download electricity usage data from smart-meters or update firmware for Shikoku Electric Power Co.,Inc.

- Programmed and tested necessary software to  using C#(.NET) and PL/SQL(Oracle).

**2013-2014  ABLENET Pty Ltd., Sydney**
*System Manager of  system development team*

- Managed system development team and developed business applications to support staff working in all branches, covering the whole business process from ordering to issuing invoices.

- Developed web sites for customers to confirm invoices, co-operating with the design team.

- Developed software in a Linux environment using apache, php, mySQL, and experienced all roles in the process (analysis, coding, testing, deployment and maintenance) to respond to requests from the sales department.

**2011-2012  Information Development, Aichi, Japan**
*Group leader of Software Development*

- Worked for ADVICS CO.,LTD. creating interface specifications for deflation warning system (DWS) made by Sumitomo Rubber Industries to embed DWS module in brake ECU.

- Designed a main processing part for calling DWS module and turning on an indicator LED in case warning occurred.

- Coded a program which calls DWS module and outputs the status of DWS.

**2008-2010  Information Development, Kagawai, Japan**
*Team leader of Software Development*

- Developed software to control a brake ECU while a fluid filling machine injected fluid oil and recorded the results on a factory line.

- Programmed software by VB.NET.

### 2003-2007   Information Development, Aichi, Japan
*Software Development*

- Designed communication functions for brake ECU such as:
  - ・Serial/CAN interface module to test tools
  - ・Freeze frame data
  - ・Vacuum filling

- Experienced embedded C and programming of serial/CAN communication.

### 1999-2002   ICOM Australia Pty., Ltd. Melbourne, Australia
*Customer Support Development*

- Replaced excel/paper based business processes with Windows applications which perform following functions:
  - ・Customer information management
  - ・Order management
  - ・Coordinating accounting information to accounting server

- Programmed business applications using VB/ACCESS.

### 1994-1998   MSA Engineering Co.,Ltd. Osaka, Japan
*Team leader of Software Development*

- Experienced being a customer representative as a leader of many projects such as:
  ・Created external specifications for result control application at Malaysia factory of Matsushita Electric Industrial Co, and implemented software cooperating with local software developers.
  ・Developed Temperature control software for Matsushita Electric Works(MEW) to embed software in PLC (programmable logic controller) made by MEW.
  ・Developed CAD application and interface program for numerically-controlled machine in MS-DOS environment using MS-C.

### 1991-1993   MSA Engineering Co.,Ltd. Osaka, Japan
*Software Development*

- Developed quality control system (QCS) for Osaka factory of Matsushita Electric Industrial Co to replace paper based quality control with a computer system by the network and database. This achieved efficiency

and improvement of quality by sharing information of defective products between factory lines and repair department and utilizing a variety of static data.

- Customized and localized quality control system (QCS) to implement in Malaysia factory co-working with local software developers, and introduced the usage of QCS.

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| SKILLS | Languages: C, C++, PHP, HTML, CSS, Javascript, Shell script, .NET (C#, VB)<br>DB: Oracle, MySQL (Stored Procedure), SQL<br>OS: Windows/Linux (Red hat, Centos) |
| QUALIFICATIONS | Japanese Electronic Technician's License |
| VISA | Skilled migrant visa (Permanent Resident) |