

HAI MINH (MICHAEL) HOANG
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Portfolio: <https://michael-h-portfolio.netlify.app>
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Objective

A deep understanding in software development domain, I would like to share my experience and to learn new technologies for reaching team goals. I have helped shaping the product delivery process. I have a strong Agile mindset of Software Development and the passion to deliver incremental value to customers. Strengths include a fast-learning ability, logical thinking, strong problem analysis skills and a passion for quality.

Summary of Qualifications

- One years' experience managing engineering projects.
- Strong experience in designing, developing, and implementing user interfaces in Front End.
- Strong experience with implementing Web services both SOAP and REST in Web Applications using RESTful API.
- Experience in HTML\HTML5, CSS, JavaScript, React.js, Vue.js skillset with the high passion to deliver scalable, efficient, clean, and comprehensive manageable codes.
- Write test cases and debug errors/exceptions in all environments to ensure optimal performance of websites or applications.
- Strong experience in SQL to write stored Procedures, Functions, Triggers, Views, and strong experience in RDBMS using SQL Server and My-SQL.
- Familiar with CI/CD pipelines, Git, GitHub, Jenkins, etc.
- One year's experience of end-to-end solutions for Internet of Things (IoT) including software and hardware.

Work Experience

CNC Programmer (January 2024 – Present)

Russel Metals

- Write CNC programs for 2 and 4 axis lathes.
- Instrumental in the trial of 3 new CAM systems.
- Programmed CNC machines using G-code, CAM, CAD.
- Developed a procedure for in-house physical testing.
- Machined high-alloy materials, considering their geometry and mechanical properties.

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CNC Machinist/Programmer (April 2021 – October 2023)

Price Industries Ltd

- Monitor machines during operation for unusual vibration or sounds, watch machine gauges and controller display or digital readout for warnings, and visually check cutter path, clearance, chips to ensure smooth operation.
- Accurately produced parts that met product requirements and blueprint specifications.
- Ordered new tools and fabricated parts to repair machinery.
- Programmed CNC machines using G-code, CAM system software.

Web developer (December 2019 – September 2020)

Bollore Logistic

- Developed applications using React.js, Vue.js combining with components, reactivity, and the virtual DOM while managing the State through Redux and Redux-Saga form to save the processing time of users.
- Utilized HTML/HTML5, CSS, JavaScript and its modern ES6+ syntax and features, and also its framework such as React.js, Vue.js.
- Managed, optimized, and updated databases as necessary.
- Developed object-oriented code on Node.js in full accordance with industry and company standards.
- Using Azure DevOps for project management with CI/CD pipelines.
- Maximized applications' efficiency, data quality, scope, operability, and flexibility.
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- Used various ideas from distributed computing, large-scale design, real-time data processing, data storage, EDI to solve challenging dataset problems and transfer data.
- Developed app integration with REST / SOAP and other APIs for supply chain, social media logins, Internal EDI, payment processors, and other services.
- Developed full-stack web applications which processed, analyzed, and rendered data visually.

Machine Operator (October 2018 – September 2019)

MRS's MAC

- Set up and monitored operation of over nine types of machines, including drills, cutters, and millers.
- Inspected equipment for defects using measuring instruments and minimized wasted time and materials.

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- Read and interpret blueprints and diagrams to select a secure machining position to ensure quality production, and determine and report faults in equipment, including filling out hourly inspection sheets based on production quality.
- Prepared and wrote reports.

Electronic Engineer (September 2017 –October 2018)

AICA Company

- Support all levels of IoT software testing including Unit Testing, Integration & Testing, and Smart house Software Qualification Testing
- Design, develop, implement, and test embedded software in support of various smart house equipment's being developed, including CCTV, voice control and robotic systems.
- Work in a small-team environment that includes a variety of engineering disciplines (e.g., System, Electrical, Mechanical, Thermal, Software etc.)
- Embedded software and/or robotics architecture and design, and operating systems
- Proficient in C and C++ programming, Python, JavaScript
- Implement embedded software using C/C++, Python, JavaScript

Embedded System Engineer (June 2013 – April 2014)

***Vietnam National University
of Technology***

- Working towards a BS in Electrical Engineering or Computer Science.
- Interface with hardware design and development.
- Design, develop, code, test and debug system software.
- Assist during Intern Lectures once a week.
- Familiarity with scripting languages like C++, Arduino, JavaScript.
- Experience in various interfaces – ARINC, RS-232, RS-422, RS-485, USB, Ethernet.

Education

Master's Degree in Electrical Engineering

Graduated Apr. 2017

Curtin University, Australia

Bachelor's Degree in Electrical and Electronic Engineering

Graduated Apr. 2014

National University of Technology, Vietnam