HAI MINH (MICHAEL) HOANG
10 Heft Crescent, Winnipeg, MB
(204) 396-5388
Michael.hoang.cu@gmail.com
Portfolio: https://michael-h-portfolio.netlify.app
GitHub: https://github.com/MichaelHoang1504

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 mindset of Software Development and the passion to deliver high quality products to customers. Strengths include a fast-learning ability, logical thinking, strong problem analysis skills and a passion for quality.

Summary of Qualifications

- One-year experiences of end-to-end solutions for Internet of Things (IoT) including software and hardware.
- One year experience in designing Front End and Back End web development using JavaScript, HTML, CSS, Node.js, React.js, Go, Git and SQL.
- Strong experience with implementing Web services both SOAP and REST in Web Applications using RESTful API.
- Strong experience in SQL to write stored Procedures, Functions, Triggers, Views and strong experience in RDBMS using SQL Server and My-SQL.
- Skilled in measuring metal material, sort of material, and metals parts following orders.
- Able to use MS Excel and Word, Citrix and some CNC software.
- Experienced in cleaning, maintaining and calibrating Machine.

Work Experience

CNC Operator (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.
- Set machine coordinates or index points per CNC documents, including laser, tool heights and probes, using controller keyboard, coax indicator or digital readout.
- Read and interpret blueprints and diagrams to select a secure machining position to ensure quality production.
- General Machinist's setup, operate and adjust numerous types of Computer Numerical Controlled (CNC) single and multiple tool machining centers.
- Sorted, scanned, grouped, created, and packed materials and products.

HAI MINH (MICHAEL) HOANG
10 Heft Crescent, Winnipeg, MB
(204) 396-5388
Michael.hoang.cu@gmail.com
Portfolio: https://michael-h-portfolio.netlify.app
GitHub: https://github.com/MichaelHoang1504

- Cleaned work areas and equipment.
- Communicated any problems in production and quality to the supervisor.
- Adhered to the quality process techniques to ensure quality control.

Back-end developer (December 2019 – September 2020)   *Bollore Logistic*

- Developed applications using React while managing the State through Redux and Redux-Saga form to save the processing time of users.
- Developed and Integrated database using MySQL that leveraged the React architecture to yield on-demand, detailed feedback.
- Managed, optimized, and updated databases as necessary.
- Developed object-oriented code on Node.js in full accordance with industry and company standards.
- Implemented the React Router DOM to allow nested RESTful routing.
- Built responsive, accessible, and dynamic web pages to enable users to easily navigate sites.
- Maximized applications' efficiency, data quality, scope, operability, and flexibility.
- Used various ideas from distributed computing, large-scale design, real-time data processing, data storage, EDI to solve challenging dataset problems and transfer data.
- Managed, optimized, and updated databases as necessary.
- 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.
- 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.

HAI MINH (MICHAEL) HOANG
10 Heft Crescent, Winnipeg, MB
(204) 396-5388
Michael.hoang.cu@gmail.com
Portfolio: https://michael-h-portfolio.netlify.app
GitHub: https://github.com/MichaelHoang1504

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.
- Familiarity with debugging tools like bus analyzers and oscilloscopes.
- 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