

Jack Kim

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SUMMARY

- **Software Development Skills:**

Recent graduate in Software Development from SAIT with strong foundational knowledge in programming, software testing, and web development. Experienced in various programming languages including Java, JavaScript, and C#. Seeking to leverage problem-solving and teamwork skills in a software development role.

- **Robotics Developer Experience:**

Worked as a full-time Robotics Developer from February 2024 to September 2024 in Korea. specializing in embedded systems and automation processes. Played a key role in the research, development, and operation of autonomous forklifts and picking robots. Contributed to software development for real-time control system and sensor integration.

Gained extensive experience studying the characteristics of (AGV) forklifts and (AMR) picking robots, as well as the integration of various sensors, while gradually building hands-on coding skills as a junior developer.

- **Hardware and Troubleshooting Skills:**

Leveraged 7 years of experience in aircraft electrical systems maintenance, diagnosing and repairing complex hardware issues. Completed a Transport Canada-approved AME (Aircraft Maintenance Engineer) program. This experience has given me a strong understanding of hardware integration, real-time system troubleshooting, and working with electrical systems, which enhances my ability to work with robotic hardware and embedded systems.

TECHNICAL SKILLS

- **Languages:** C#, Java, HTML, CSS, JavaScript
- **Databases:** Oracle Database, MySQL
- **Tools:** Git, GitHub, Visual Studio, Eclipse IDE, VS Code, NetBeans IDE, VMware Workstation
- **Collaboration:** Lucid chart, Slack
- **Other:** Agile, Unit Testing, REST API development, Virtualization

EDUCATION

Diploma	SAIT (Software Development)	2023
Diploma	ICS CANADA (Aircraft Mechanics)	2019
English Studies	Heartland International English School, Winnipeg, Manitoba	2015
English Studies	Cebu CG Academic School, Cebu, Philippines	2015
High School Diploma	Busan Technical High School, South Korea	2010

PROJECTS

Warehouse Automation Project | Nova Tech
February 2024 - September 2024
Role: Robotics Developer

Details:

Contributed to a large-scale warehouse automation project aimed at optimizing logistics using autonomous forklifts and picking robots. Involved from the initial stages of the project, focusing on system integration, sensor calibration, and automation processes. Collaborated with a multidisciplinary team to design and test control systems that enabled real-time operations and communication between the robots and the central system.

Restaurant POS System | Capstone Project
September 2023 - November 2023
Role: Full Stack Developer

Details:

- Improved the existing POS system for a Thai restaurant, focusing on enhancing the functionality and user interface.
- Developed features for efficient order entry, payment processing, and receipt printing, while implementing a more intuitive and user-friendly interface.
- Implemented extended menu management features and enhanced role-based access control, streamlining the workflow for both administrators and waitstaff.
- Strengthened the system's core functionalities to improve operational efficiency and customer service quality.

Software Development Work Experience

Robotics Developer | Nova Tech | South Korea

Feb 2024- Sep 2024

- Assisted in the development and operation of autonomous (AGV) forklifts and (AMR) picking robots using C# (Avalonia).
- Collaborated with a multidisciplinary team to research and test robotics hardware and sensor systems, ensuring effective integration and communication between components.
- Gained hands-on experience with real-time control systems, helping to implement and test basic automation algorithms for robotic systems.
- Worked in an Agile development environment, contributing to team discussions, daily stand-ups, and system troubleshooting.
- Focused on sensor calibration, system diagnostics, and hardware integration to improve the overall performance of robotics in industrial applications.
- Experience with computer programs such as MS Excel, MS Word, and MS PowerPoint

OTHER WORK EXPERIENCE

Bowls Korean BBQ | Calgary AB, Canada

Mar 2022- Nov 2023

Part-time, Server

NGX Interactive | Calgary AB, Canada

Mar 2022- Dec 2022

Contractor, Maintenance in Shaw

Midwest | Winnipeg MB, Canada

Jan 2020- Mar 2022

Full-time, Aircraft Avionic Technician

STS Aviation | Winnipeg MB, Canada

Jul 2018 - Mar 2020

Full-time, Aircraft Avionic Harness Technician

Family Food Market | Winnipeg MB, Canada

Dec 2015 - Jul 2018

Full-time, Butcher

C&M Broadcasting Station | Seoul, South Korea

Aug 2014 - Jul 2015

Freelancer, Caption

Republic of Korea Air Force | Seoul, South Korea

Aug 2010 - Jul 2014

Full-time, Aircraft Electrical Device & Equipment Maintenance

REFERENCES

Mr. Shane
Regional Director | Oracle
Email: shane.ishmael@oracle.com
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Mr. Eddy
Aircraft Avionic Engineer | Air Canada Jazz (Previous Midwest)
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Administrative Assistant Manager | Midwest Avionics
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