Le Quang Hai – DevOps Software Integration Intern

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Education

Swinburne University, FPT alliance program, Ho Chi Minh
- Bachelor in Computer Science, 40% scholarship.
- Courses: Data Structure (C++), OO Programming (C#), Networking (CCNA), Software Deployment (DevOps)

Certificates

IT Automation Specialization | Grow with Google | **Certificate**
- Experienced in Linux and Python, Bash scripting, GIT version control
- Familiarized with infrastructure as code, configuration management, troubleshooting

IT Support Specialization | Grow with Google | **Certificate**
- Understanding of computer hardware, operating systems, networking, security, admin and infrastructures.
- Learning to perform day-to-day IT support tasks and customer service

Knowledge

- **Full-Stack Development:** JavaScript (Next.js, Express.js), HTML, Tailwind CSS, C# (ASP.NET Core, Entity Framework), relational database (MySQL, Microsoft SQL Server), NoSQL (MongoDB, DynamoDB).
- **DevOps & Agile Management:** AWS cloud, Docker, GIT, Jenkins, Jira, Confluence, Linux System.
- **Programming:** Python, C++, Ruby, Java, Bash.
- **Languages:** Vietnamese native, English C1 proficiency, Chinese beginner level.

Projects

Home Server | Networking and DevOps Project
- Virtualized a Linux cluster via hypervisor simulating hardware infrastructure administration.
- Configured on-premises CI/CD servers (GitLab, Docker, Jenkins) for automating integration pipeline.
- Implemented port forwarding and DDNS to enable remote access to the VPN and web server hosting.

Restaurant Information System | Swinburne Software Design Project
- Designed and implemented a website to enhance business model operation.
- Frontend: dynamic UI with Next.js and Tailwind CSS.
- Backend: REST API with C# ASP.NET Core MVC, data ORM with Entity Framework to interact with MySQL database.

Swin Adventure Console Game | Object-oriented Program | **Link to GitHub**
- Developed C# interactive game applying object-oriented programming principles and design patterns.
- Parsed world-map data from CSV files and implemented a processor that interprets player commands.
- Ensured robust error prevention through unit testing, successfully deployed on Docker.

Knowledge-based Agent | Swinburne AI - OOP Project | **Link to GitHub**
- Implemented classic AI engine utilizing Truth Table, Forward and Backward Chaining algorithms.
- Extract knowledge from files to indicate new truths from existing ones.
- Applied C++ object-oriented programming and specialized data structures.

Achievements

Lang Biang Farm Digitization | Swinburne Akathon 2023 - 3rd Runner Up | **Link to Doc**   *Sep 2023 - Dec 2023*
- Resolved genuine business issue by developing a 4-month strategy for transitioning to a tech-savvy operation.
- Consulted on IoT sensors and intelligence systems to automate and recommend actions for livestock and crops.
- Delegated tasks cross-functional Agile team using Jira and Confluence to design database and critical features.

Professional Reference

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