Paing Phyo Tha

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ENGINEERING SKILLS & SUMMARY

Building, testing, scripting, operations, maintaining and monitoring SCADA. Proficient in several programming languages and technologies, KornShell, Perl, SQL, HTML, CSS, PHP, C++ and PLC. Experience with workstation, server and network installation, electronics repairs and Unix administration. Objective, driven and disciplined team player, passionate about IT & Network infrastructure and excited to acquire industry experience in data center operations, app development, cloud computing and telecommunications while being a supportive force that drives business growth in the organization.

WORK EXPERIENCE

Power Automation — Jul 2022 – Present

- **Assistant Electrical Engineer, System Administration** — Singapore
  - Collaborated in the installation of networking devices, 45+ workstations, Oracle x86 and Sparc Servers in 4 days
  - Configured, administered and maintained Unix and SCADA system, Siemens Spectrum Power 4, workstations, servers, SAN storage and IT & network infrastructure
  - Communicated with Singapore Power Limited and developed Oracle SQL query scripts to provide requested data
  - Optimized system and improved system's speed by automating cleanup and routine tasks using cron and scripts
  - Formatted and manipulated texts using AWK, Perl, RegEx and sed to provide business users with formatted data
  - Developed an animated progress bar and a bar graph to improve existing scripts' user interface and experience
  - Improved existing scripts to be clean, scalable and feature-rich to reduce development time and runtime by 50-90%
  - Regularly backed up file systems, Oracle and proprietary Spectrum databases and mirrored hard drives
  - Soldered, desoldered and repaired broken capacitors, IC chips, resistors and transistors in RTU battery chargers
  - Provided L1/L2 app support, diagnosis and troubleshooting, supported the team in documentation and server, cable, fiber, network devices installation, maintenance and recovery of the system during and after business hours

Yoma Power — Jul 2021 – Jun 2022

- **Assistant Electrical Engineer, Survey** — Nay Pyi Taw, Myanmar
  - Collaborated with Union Resources & Engineering, in planning the construction of 2 transmission towers and substation
  - Collaborated in the calculation of 2 transmission towers and substation land survey costs and preparation of a tentative schedule of reconnaissance and geological survey works
  - Collaborated in the presentation of future electrical infrastructure projects to the Ministry of Electric Power
  - Traveled to remote areas to survey land for the construction of 2 transmission towers and substation

Khoo Teck Puat Hospital — Sep 2018 – Feb 2019

- **Electrical & Electronics Engineering Intern, Facilities Management** — Singapore
  - Worked night shifts to carry out facility maintenance
  - Collaborated in operating and maintaining a wheelchair tracking system using RFID and Zigbee technologies
  - Improved the system's user interface by showing more relevant details
  - Tested and documented the technical limitations of Zigbee routers and collaborated in the installation of routers
  - Led and completed Christmas light project (FYP) using kinetic energy to power up lights 9 days ahead of deadline
  - Programmed Arduino to light up LEDs in various patterns using digital voltage data from a spinning wheel ADC

Freelance — Jul 2018 – Sep 2018

- **Freelance Frontend Web Developer, Web Development** — Singapore
  - Developed 2 responsive websites while in school: https://kk-aye.com/ and https://keen.com.sg/WinstonAcademy/

Teppei Syokudo — Jan 2016 – Jan 2018

- **Service Crew, Cooking & Sales** — Singapore
  - Fried, cooked, engaged customers and increased sales by 60% through upselling, cross-selling and highlighting value

EDUCATION

- **Bachelor of Science Information Systems, Singapore Management University** — Aug 2019 – Feb 2021
  - Python Programming, Data Management, Web Development, IT Sys & Innovation

- **Diploma in Electrical & Electronic Engineering, Singapore Polytechnic** — Apr 2016 – Feb 2019
  - C++ & Embedded System Programming, Microcontroller, Networks & Protocols

AWARDS

- **2018 & 2017 Singapore Polytechnic Chess Open, 1st**
- **2015 & 2013 Singapore Youth Festival Modern Dance, Certificate of Distinction and Accomplishment**