Bryan Paing

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SKILLS & SUMMARY

System administrator with years of experience in the administration of Singapore's Electrical Grid Control System, operation support, shell script development. Completed IT infrastructure installations, proficient in Unix, troubleshooting, Oracle database, and a variety of programming languages, including shell, SQL, and Python. Objective, versatile, and disciplined, eager to leverage my skills, knowledge and vast experiences in system administration, cable management, programming, shell scripting, data center operations, or IT support while contributing to the organization's business growth.

WORK EXPERIENCE

Power Automation   Jul 2022 – Present
- **System Administrator**   Singapore
  - Maintained and installed 60+ Sun servers, storage, and networking equipment on the rack, including cable management, and connecting serial/Ethernet cables
  - Managed, upgraded firmware, and configured third-party applications such as NetApp for seamless data storage
  - Performed maintenance tasks, such as hardware upgrades, repairs, and replacements
  - Configured, monitored and managed the performance of servers, storage systems, networking equipment, databases, and SCADA application, Spectrum Power
  - Diagnosed logs, resolved hardware and SCADA issues promptly to minimize downtime
  - Installed, configured, and maintained Solaris operating system, and SCADA on Human Machine Interface workstations, Administrative, and Communication servers
  - Developed, implemented disaster/backup recovery plans and recovered system or data to ensure data center resilience, integrity, availability and data synchronization
  - Tested and updated backup plans regularly to maintain operation continuity
  - Developed shell and batch scripts to streamline repetitive tasks, detect errors and evaluate system status
  - Communicated with Singapore Power Group end-users and provided them with support and data as needed regularly
  - Developed data query scripts to extract data from Oracle and proprietary databases for end-user's data requests
  - Developed Perl scripts for text processing and analyzing data, including cleaning, transformation, and reporting
  - Fixed existing script bugs, false alarms and upgraded them to be cleaner, faster, reliable, and scalable using systematic program design methodology
  - Documented and collaborated with other IT professionals and departments to perform RTU Factory Acceptance Testing and address technical challenges

Khoo Teck Puat Hospital   Sep 2018 – Feb 2019
- **Electrical & Electronics Engineering Intern**   Singapore
  - Tested, gathered data and documented prototype wheelchair tracking system's functions, and performance
  - Together with my internship partner, improved overall system's core functions and interface by installing more Zigbee routers at optimal locations, upgrading Visual Basic code, HTML/CSS code and modifying Microsoft SQL
  - Led and completed Christmas light project by converting kinetic energy of bicycle spinning wheel using ADC, built circuit to read digital signals from ADC and programmed Arduino to process those data and light up LEDs
  - Carried out facility maintenance work, communicated and worked with contractors that repairs and upgrades are completed on schedule

Freelance   Jul 2018 – Sep 2018
- **Freelance Frontend Web Developer**   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**   Singapore
  - Fried, cut fishes and cooked them quickly to enable high customer traffic during lunch hours so as to increase sales
  - Engaged customers energetically by handing out promotional menus, brochures and encouraged customers to try samples at various MRT stations
  - Increased royalty and retention by encouraging all customers to sign up for royalty program
  - Frequently met daily sales target and increased daily average sales by 30-60% (Weekday $2.5k → $3k, Weekend $5k → $8k) through upselling, cross-selling, highlighting combo meal value and building rapport with all customers
  - Based at Millenia Walk branch but occasionally worked at other branches like Ion Orchard, Changi City Point and Republic Plaza to increase sales or help out staff shortages

EDUCATION

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