Bryan Paing

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SKILLS & SUMMARY

System administrator with over a year of experience in the administration of Singapore's Electrical Grid Control System, operation support, shell script development and 2 years of experience in F&B sales. Completed IT infrastructure installations, proficient in Unix, troubleshooting, Oracle database, and a variety of programming languages, including shell, SQL, and Python. Objective, dynamic, and disciplined, eager to utilize my skills in system administration, programming, data center operations, sales, or IT support while contributing to the organization's business growth.

WORK EXPERIENCE

Power Automation   Jul 2022 – Present
- **System Administrator**   Singapore
  - Administered SCADA, diagnosed error logs, troubleshot and fixed Singapore mission-critical SCADA system errors, Spectrum Power 4, during and after business hours as standby site System Administrator
  - Installed network devices, 45+ workstations, Sun x86 and Sparc servers in 4 days, on schedule
  - Assisted engineers with SCADA programs' functional and data compatibility tests for software upgrades and stability
  - In charge of quarterly system preventive maintenance to guarantee SCADA system's stability, usability and data synchronization across servers in case of emergency
  - In charge of regular shell script development that automates tasks, detects errors and evaluates system's performance
  - In charge of regular shell/Perl script development that accesses Oracle and proprietary databases to provide SCADA managers with clean and formatted data using AWK, RegEx and sed
  - In charge of shell script quality assurance and optimization by ensuring all scripts are clean, systematic and efficient along with implementing fixes so as to get the right result
  - Developed several Perl programs that simplify data search and reduce data retrieval process for quicker and more efficient data query and troubleshooting
  - Recovered file systems, databases or replaced hardware to bring the system back to normal within 2 hours to minimize downtime, interruption and data loss
  - Regularly back up file systems, databases, codes and mirrored hard disks for redundancy and quicker recovery
  - Provided first-line L1/L2 on-site support and fixed SCADA database/program issues
  - Documented SCADA performances, errors, bugs, code changes and communicated with cross-functional teams through written reports and oral presentations to identify, share findings and solve complex SCADA issues

Khoo Teck Puat Hospital   Sep 2018 – Feb 2019
- **Electrical & Electronics Engineering Intern**   Singapore
  - Tested, gathered data and documented prototype wheelchair tracking system's core functions, use cases, performance and limitations
  - 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, Cooking & Sales**   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**   Apri 2016 – Feb 2019
  - C++ & Embedded System Programming, Microcontroller, Networks & Protocols