WEE JIA QUAN

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WORK EXPERIENCE

BHE Engineering Services SDN BHD   Klang, Malaysia
System Administrator   Jan 2017 - Apr 2022

- Designed and implemented a dashboard using React and TypeScript to visualize data stored in PostgreSQL and process CRUD with RESTful API, decreasing time to write and generate invoices by over 12 times.
- Worked with Windows Server (2013), deploying packages, writing Shell scripts and Python, doing security patching.
- Deployed dashboard through DigitalOcean VPS using Docker, while protected from DDOS attack by using Cloudflare API
- Scripted using Batch and SCCM to mass reimage Windows 10 in a production environment, decreasing time to reimage individual PC by 10 times.

EDUCATION

University of British Columbia
BA Computer Science   Sep 2019 - Nov 2022

SKILLS

Programming Languages:	Python, Javascript, Go, PHP, Java, HTML/CSS, C++
Database:	PostgreSQL, mariaDB, Firebase, MySQL, MongoDB
Web Development:	React, Vue, Ruby on Rails, Django, Laravel
Developer Tools:	JetBrain Suite, VSCode, ESLint, Git
Techology:	AWS, GCP, Azure, Docker, Apache, Nginx, Ninite, SCCM / WDS, Microsoft Office

PROJECTS

Work From Home Transitional Project - BHE ENGINEERING SERVICES SDN BHD
OpenVPN, CRON, Windows RDP
A VPN setup created to help staff to stay connected to company's resources while working from home, the VPN is powered by OpenVPN and encrypted using Easy-RSA while using CRON job to renew the certificate whenever it expires, which then allows the staff to access the SMB and FTP server to access the resources required while working from home.

Not Your Average Lifecoach Chat Bot - UBC *VueJS, NlpJS*
https://github.com/weejiaquan/not-avg-lifecoach-JQ
A chat bot powered by VueJS frontend and NlpJS backend, it allows user to chat with a bot and get feedback based on Sentiment Analysis. The bot is also able to do Part of Speech Tagging, Synonym Recognition and Named Entity Recognition to better understand what the user is trying to say.

WORKLOAD MANAGER - UBC CAPSTONE PROJECT (QA LEAD / DEVOPS) *Ruby on Rails, Javascript, PostgreSQL, Heroku, HTML5, SCSS*
Workload Manager allows student to join classes and show the workload of their subject. It features a heat map to indicate that a day is packed and also collision handling to warn professor that students might be having multiple thing due on the same day. It's written in RoR framework, using PostgreSQL database, and Javascript + HTML5 + SCSS frontend, the final product was deployed on Heroku.

Directed Studies in Software Maintenance - 2021 Winter *Django, Docker, PyCharm*
The purpose of this course is to provide an in-depth web development project experience to enable students to work on large software projects in a team environment. The students will learn to work with an existing web development framework (Django, Angular JS, HTML, CSS, Bootstrap). Students will practice software engineering protocols and implement new features in this project. Students will engage in proper testing practices and code review processes so to ensure their code meets industry standards. The main features to add to this project include: ● A team formation algorithm that merges groups together ● Front-end support for choosing attributes with a minimum value ● Associated test cases

AWARDS

Nomination for the Upper Level Computer Science Award   Dr. John M. Hopkinson
One of 30 students nominated for the Upper Level Computer Science Award, one of 21 students nominated for your performance in COSC 341, where I am one of 11 nominees tied for the 13th highest grade in a class of 160 students.   Jun 2021