SEOKHWAN JUNG

Back End Engineer

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A diligent and highly motivated BSc Computer Science graduate with a concrete foundation in Data Structures and Operating Systems. Have **1+ years of experience** in developing **API Servers** with **Django**, and **Python Scripts** for **Business Logic**, and **Front-End Applications** with **React**, **GraphQL**, and **DynamoDB**. A DevOps enthusiast who is eager to further my knowledge in Software Development and utilise my skills to solve real-world problems.

WORK EXPERIENCE

Back End Engineer
Sefy

🗓 Aug 2022 – Present   ⚲ London, United Kingdom

- Increased the efficiency of data aggregation **by 1000%** by automating it with **Python Scripts** on AWS EC2 Crontab.
- Improved the inefficiency of Many-to-many relationships in **DynamoDB** by tuning the structure and customising the **GraphQL** resolvers.
- Accomplished Separation of Concerns by not only managing the global states with **React Context** but also using **Custom Hooks** when developing an Admin Dashboard with React, which boosted the performance of collaboration.

Research Assistant - Graphical Network Model
King's College London

🗓 Aug 2021 – Sep 2021   ⚲ London, United Kingdom

- The research was about defining the behaviours of abused 3rd party cookies over the websites and simulating them on Graph Transformation (a.k.a. Graph Rewriting) Tool - PORGY.
- Studied the background - **OSI Model**, **TCP/IP Model**, **HTTP**, **Cookies**, **Graph Morphism**; and utilised them to build the model - "A Graph-Based Model of the Cookie-Management Process in Web-Browsers".
- Created new rules to define the 3rd-Party Cookies behaviours and analysed the performance of opting-out services, such as Privacy Badger by simulating the model.

PROJECTS

Themeparkers
Joy Crafters

🗓 Mar 2022 – Present   ⚲ London, United Kingdom

- Designed and implemented the architecture of the Back End of a mobile application. Developed Client API and Batch Server using **Django REST Framework**.
- Experienced in designing and deploying an AWS solution including **EC2**, **S3**, **EBS**, **ELB**, and **Auto Scaling Groups**. Worked at optimising volumes, and EC2 instances, and separated private and public servers with **VPC**.
- Used **Jenkins** with scripts to automate the build and the deployment process, which **reduced human error** and **sped up production processes**. **Increased** the number of downloads **by 50%** thanks to CI/CD.

E-Commerce Web Design Project

- Improved the Readability and followed Object-Oriented-Programming principles by using **Django ORM**.
- Built a CI/CD pipeline with **Jenkins**, which automatically fetches the code from GitHub, tests (Sonarqube), sends notifications (Slack) and delivers (Docker) that helps developers **update the code flawlessly**.
- Maximised the Flexibility of deployment by containerising the app and dependencies with **Docker**.

EDUCATION

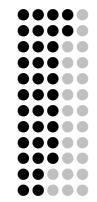### BSc (Hons) Computer Science (Artificial Intelligence) (2:1)
King's College London

🗓 Sep 2018 – Jun 2021 ⚲ London, United Kingdom

College Scholastic Ability Test
Ansan Dongsan Christian High School

🗓 Mar 2012 – Feb 2015 ⚲ Ansan-si, South Korea

SKILLS

Python	●●●●○
Django	●●●●○
JavaScript	●●●○○
React	●●●○○
Linux	●●●○○
Bash Scripting	●●●○○
AWS	●●●○○
Jenkins	●●●○○
Git	●●●○○
Docker	●●●○○
Kubernetes	●●○○○
Terraform	●●○○○

INTERESTS

Technical
- Learning and practising AWS to obtain AWS Associate Certifications - Solutions Architect, and Developer.
- Joining software engineer meetups to catch up the new trends in IT field.

Hobbies
- Playing guitar - Performed in King's Korean Society Band.
- Running - Participated in Marathon de Paris.
- Photography.

CERTIFICATES

Udemy Course Completion Certificate ☍
- Covered Vagrant, Linux, AWS, Jenkins, Ansible, Docker, Kubernetes and Terraform.

LANGUAGES

Korean (native)	●●●●●
English	●●●●●