

SEOKHWAN JUNG

DevOps Engineer

✉ seokhwan.jung@kcl.ac.uk

☎ +44 7754929757

📍 London, United Kingdom

in LinkedIn

🐙 GitHub

A diligent and highly motivated BSc Computer Science graduate with a concrete foundation in **Data Structures**, **Optimisation**, and **Operating Systems**. Have experience in developing API Servers with **Django** and **AWS**. Eager to absorb as much knowledge and skills as possible in the area of a fast and stable **CI/CD** oriented **DevOps** culture.

WORK EXPERIENCE

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 backend of the mobile application. Developing Client API and Batch Server using **Django REST Framework**.
- Experienced in designing and deploying AWS solutions using **EC2**, **S3**, **EBS**, **ELB**, and **Auto Scaling groups**. Worked at optimising volumes, and EC2 instances, and created multiple **VPC** instances.
- Used **Jenkins** with scripts to automate build and deployment that **reduced human error** and **sped up production processes**.
- **Increased** the number of downloads **by 50%** as a consequence of building a **CI/CD pipeline** that sped up the delivery process.

Final Year Individual Project

King's College London

📅 Sep 2020 – Apr 2021

📍 London, United Kingdom

- Programmed and rewrote a graph-based model of the Cookie-Management Process with PORGY.
- Conveyed ideas and advice fluently from and to supervisor as well as communicated with developer regularly to debug PORGY.
- Obtained academic exposure and opportunity where gained hands-on experience and learned how to apply knowledge and skills in academic writing.

UI/UX Design Project

King's College London

📅 Sep 2020 – Jan 2021

📍 London, United Kingdom

- With a group of 5, designed a mobile app "Coursematinder" to help facilitate those introductory conversations to find people to form groups.
- Employed **5 Stages Design Thinking Process** to effectively point out the problem and come up with solutions.
- **Improved** positive user evaluation rate **by 25%** as a result of employing feedback.

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

Java

Vagrant

Linux

Bash Scripting

AWS

Jenkins

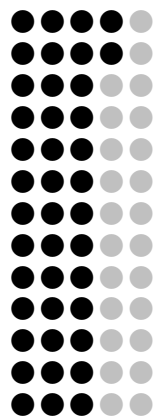
Ansible

Git

Docker

Kubernetes

Terraform



SIDE PROJECT

E-Commerce Web Design Project

Server Development - Django, AWS

- Built a backend of an E-Commerce Website using Django.
- Stored static files and images in an S3 bucket that **reduced unnecessary load** on the server. Used **Django ORM** for DB and connected it to **RDS**. Deployed the application with **Nginx** in **EC2**.

CI/CD - Jenkins, Sonarqube, Docker

- Used Jenkins to build a CI/CD pipeline which automatically fetches the code from GitHub, tests (Sonarqube), sends notifications (Slack) and delivers (Docker) that helps developers **update the code flawlessly**.
- Kept the application **portable** and **flexible** by containerising it.

CERTIFICATES

Udemy Course Completion Certificate

- Covered Vagrant, Linux, AWS, Jenkins, Ansible, Docker, Kubernetes and Terraform.