Jaeyoung Jo
https://jaese.github.io/

Email : jojaeyoung.se@gmail.com

Mobile : +82-10-7510-9940

SUMMARY

Programmer of 6+ years of experience with demonstrated ability to adapt to new technologies to deliver values, ranging from cloud operations to machine learning. I lean towards the practical and agile approach to software development, and have a critical view on dogmatic adherence to rules and methodologies.

EXPERIENCE

- **Skelter Labs (AI technology company)** — Seoul, Korea
  Software Engineer — *Jun 2018 - Present*

  Personalized Product Recommendation Solution
  - **Developed the Web SDK** for signal collection and displaying recommendation widgets.
  - **Configured the dev and production environments on GCP with IaC approach** using Terraform.
  - Configured a **ML pipeline ranging from data processing to serving in production** using Kubernetes, Spark, Argo Workflows, and MLflow.
  - **Operated the service with minimum downtime** using open-source tools including Prometheus, Grafana Dashboards, Jaeger, PagerDuty, Slack, OpenFlagr.
  - **Configured the business dashboards** by integrating the ELK stack.

  Audience Targeting Service PoC
  - **Set up and operate Kubernetes cluster** to run Spark workloads to process ML data, and to serve Tensorflow models.
  - **Integrated data from external services**, including Braze, Contentful, and BigQuery.

  Context-based Personalization Application
  - Participated in developing **stream processing backend** using Apache Kafka Streams API.
  - Configured dev and production environments on AWS, and **configured the test/release pipelines to streamline the development**.

- **KOKOMO Games (mobile game company)** — Seoul, Korea
  Client-side programmer — *Jun 2016 - May 2018*
  - Developed game contents in Unreal C++ and Blueprint.
  - Configured a CI system for automated mobile build (iOS and Android) and QA deployment, which greatly streamlined the build process. Up to 10+ builds a day.

EDUCATION

- **Korea Advanced Institute of Science and Technology** — Daejeon, Korea
  B.Sc. in Computer Science — *2006 – 2012*
  - **Intern in the Collaborative Distributed Systems & Networks Lab**: Developed a prototype Android app that can recognize learned objects through built-in camera, using the OpenCV library.
  - **Thesis**: Implemented a Predictive-corrective incompressible SPH for Realistic Fluid Simulation using the OpenCL API, utilizing parallel processing.

PROFESSIONAL SKILLS

- **Experience in backend development** using Python, Go, SQL, Kafka, MongoDB, Docker.
- **Experience in cloud operations**: GCP, AWS, networking, Terraform, Kubernetes, Prometheus, Argo Workflows.
- **Experience in machine learning projects** using Jupyter, Apache Spark, scikit-learn, Tensorflow, Keras.
- **Mid-level Industry Skills**: I can write testable and efficient code, have sufficient computer science knowledge.
- **Language skills**: Native in Korean. I can write and converse in English at a functional level.

CERTIFICATIONS

- TOEIC: score 990 (Listening 495, Reading 495), Speaking Level 6 (score 150) (2019)
- Test of English Proficiency developed by Seoul National University (TEPS): grade 1+, score 969 (2016)
- Engineer Information Processing by the Human Resources Development Service of Korea (2013)