

Kota Kawaguchi

Application Developer

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CAREER OBJECTIVE

I am Software Developer with 2.5 year's experience in E-Commerce industry.

I am mainly involved in the back-end development of item's inventory management and order transfer, but also in the front-end and infrastructure areas. I am also well versed in operational tasks such as load testing in preparation for a sale. In graduate school, I was engaged in research on data mining using natural language processing. I was selected as a JASSO scholarship recipient for exemption from repayment for my achievements during my studies, including external presentations at peer-reviewed international conferences. Currently, I would like to get an opportunity to work as a backend engineer to work on new product development.

EXPERIENCE

SOFTWARE DEVELOPER (FULL-TIME, FREELANCE), Minato, Tokyo

Enigmo, February 2022–Present

- Developed workflows to transfer items and order data with overseas boutique's API with Apache Airflow.
- Created BI dashboard to monitor data transfer status with BigQuery and Looker
- Set up infra services on GCP with Terraform.
- Upgraded Airflow and Cloud Composer Version from 1.0 to 2(Airflow 2.2.3, Cloud Composer 2.0.9)
- Migrated GCP project and existing data to scale the application system.

APPLICATION ENGINEER, Setagaya, Tokyo

Rakuten Group, April 2020–February 2022

- Implemented the product spec data transfer batch system.
Designed and implemented abstract and concrete class
- Developed API and frontend application of internal management system.
- Created CI/CD pipeline with Jenkins and wrote IaC with Chef and yaml files for k8s to deploy applications.
- Executed stress test and tuned Nginx settings to increase system performance.
- Designed system architecture and developed load balancing function for time sale items.

RESEARCH INTERN, Chiyoda, Tokyo

Z Holdings Corporation, July 2018–June 2019

- Generated machine learning models to estimate user attributes using text data from Twitter
- Analyzed user behavior and user interests using news site app users' browsing log data
- Implemented a categorization model using disaster-related text data from Twitter

EDUCATION

MASTER OF ENGINEERING IN INTELLIGENT AND MECHANICAL INTERACTION SYSTEMS, Tsukuba, IBARAKI

University Of Tsukuba , March 2020

BACHELOR OF ENGINEERING IN MECHANICAL ENGINEERING, Tsukuba, IBARAKI

University Of Tsukuba , March 2018

ADDITIONAL SKILLS

Python (3.5y): Developed DAG With Airflow, And Used For Research In Natural Language Processing

Java (Spring Boot)(2y): Used In The Backend Of A Home Appliances EC Site And In The Backend Of An In-House Tool

JavaScript, TypeScript (Vue.js, Angular)(2y): Used In Front-End Of A Home Appliances EC Site

Kubernetes(2.5y): Each Web Application And API Are Operated On Kubernetes.

GCP(6m): Developed Cloud Composer, And Used BigQuery, Cloud Build, Cloud VPN, GCS, Looker, IAM Management

Terraform(2.5y): Set Up GCP Components With Terraform.

Nginx(2y): Used As Reverse Proxy Of EC Site, And Did Parameter Tuning

Google App Script (3m): Transfer Order Data With External API

CERTIFICATIONS

- Google Cloud Certified Associate Cloud Engineer

AWARDS

- Repayment Exemption for Students with Excellent Grades Issued by Japan Student Services Organization (JASSO) · Jul 2020

PUBLICATIONS

- BERT based Web Mining of Concerns and Reviews for TV Drama AudienceBERT based Web Mining of Concerns and Reviews for TV Drama Audience Proceeding WI '19 Companion IEEE/WIC/ACM International Conference on Web Intelligence - Volume 24800 Pages 64-71