# Chie Hayashida

Software engineer with extensive knowledge of **DWH architectures**, **ML pipelines** and **infrastructure engineering**. Designed and Developed **many types of systems** which includes both BtoB and BtoC systems in **9+ years** of experience. Combines **technical skills**, **creativity** and **leadership** to empower the business from an engineering point of view. Has excellent **presentation skills** and self motivative enough to learn new technologies, **contribute to OSS** and **write technical articles**.

## 💼 Work experience

### 12/2019 – PRESENT    TOKYO, JAPAN
**Strategic Cloud Engineer(Data & Analytics)**
**Google**

* Leads and consult on **data migration** from on-premises and AWS to GCP, **DWH development** and **MLOps** projects.
* Develops **Dataflow** modules for Hive to BigQuery migration.
* Creates some external and internal assets such as **GCP blogs** and **guidelines**.
* **Gives feedback and discusses** about customer requests with the product team.
* Created an internal tool for GCP capacity planning for customer usage

### 11/2017 – 11/2020    TOKYO
**Software Engineer**
**Cookpad.Inc**

- Leads the development of **search** and **recommendation** for Cookpad itself and new businesses in all processes of designing and evaluating KPI, make and managing strategic plans, implementation, in terms of **NLP** and **machine learning**.
- Develops tools to simplify **machine learning deployment** and **maintenance.**
- Builds **AutoML** function using table data for recipe data normalization.
- Makes **technical presentations** at several conferences and **write technical articles** for recruitment and awareness improvement.

### 12/2018 – 01/2019    TOKYO
**Freelance Engineer**
**Ubie.Inc**

- Built **ChatOps** System for **Kubernetes** deployment with **Golang.**

## 💼 Work experience

### 03/2017 – 10/2017    TOKYO
**Data Engineer**
**Retty.Inc**

- **Launched and led the data engineering team** and solved problems of current DWH.
- Built the basis of data utilization environment using **Apache Spark, BigQuery, fluentd, kinesis, Airflow** and **embulk** in a short period of time.
- Led infrastructure configuration management in AWS and GCP environments using **Terraform** and **Ansible.**

### 04/2010 – 04/2017    TOKYO
**Software Engineer**
**NTT Data Corporation**

- Designed and developed **data processing and recommender algorithms** for the TV program recommendation system using Hadoop and Spark (global system, 4000+ nodes).
- Conducted PoC of **data processing for exhaustion prediction of car parts** using sensor data.
- Contributed to **Apache Hadoop, Apache Spark, Apache Airflow**, and so on
- Designed and implemented **data transfer, backup and recovery** procedures with a **performance-oriented approach**, in the BCP project of a **huge and demanding** mobile fee system.
- Took charge of everything **from network, OS to middleware design** for system development in the US of a Japanese company.
- Performed **root cause analysis** in response to a technical troubleshooting request for **Hadoop** and **Spark** from a customer with a support contract.
- Did troubleshooting about **Oracle Database** in several projects.
- **Educated** and mentored several engineers.

# 🎓 Education

**04/2008 - 03/2010    NARA, JAPAN**

## MSc Engineering
**Nara Institute of Science and Technology**
- Master thesis described Linear transformation approaches to many-to-one **voice conversion.**
- We made **8+ presentations** at domestic conferences and study groups.

**04/2004 - 03/2008    OSAKA, JAPAN**

## BSc Engineering
**Osaka University**
- Learned about programming basics(C and C++), biotechnology, mathematical analysis, linear algebra, statistics, and mechanical engineering.
- Bachelor thesis described Measurement method of receptive field characteristics of primary visual cortex.

# ⭐ Skills

\# Hadoop    \# Spark    \# TensorFlow
\# Elasticsearch    \# Kubernetes    \# Solr
\# Distributed Computing
\# Big Data processing    \# Machine Learning
\# Recommender Systems
\# Information Retrieval    \# NLP    \# Analytics
\# Operating Systems(Unix, Windows)
\# Python    \# Scala    \# Golang    \# Java
\# C++    \# Cloud Computing
\# Oracle Database    \# Project Management
\# R&D    \# Leadership    \# Decision making

# 💬 Languages

100% Japanese          50% English

# 🎗️ Certificates

**12/2020**

## Google Cloud Professional Data Engineer
**Google**

**10/2018**

## AWS Solution Architect Associate
**AWS**

**04/2012**

## Database Specialist
**IPA**
Japanese IT Security Evaluation and Certification

# 🎗️ Certificates

Scheme

**10/2012**

## Network Specialist
**IPA**
Japanese IT Security Evaluation and Certification Scheme

**04/2011**

## Applied Information Technology Engineer
**IPA**
Japanese IT Security Evaluation and Certification Scheme

## Achievements

- Won **1st prize** in micro service  tuning contest at AWS **re:Invent2018 GameDay.**
- Won 18th prize (**Top 1%**) in one week challenge at **Kaggle** PetFinder competition.
- A contributor and reviewer of **TensorFlow document translation and ci tools of it.**
- Develop and contributes some OSS includes **TensorFlow, Apache Spark** and so on.
- **A (co-)organizer** of several communities and meetups in Tokyo.
- Performed speeches at PyConJP, PyData London, Docker Meetup and so on.
- Writing technical articles in Gihyo Magagines.

# 🪐 Hobbies

IoT, DIY, 3D printing          ✈️ Traveling

🤾 Tennis          🎵 Piano