



# Chie Hayashida

**First name:** Chie      **Email address:** chie8842@gmail.com  
**Last name:** Hayashida      **Web:** <https://chie8842.github.io/aboutme/>

## Profile

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 motivated enough to learn new technologies, **contribute to OSS** and **write technical articles**.

## Work experience

<b>Cookpad.Inc</b> Tokyo Japan	<b>Software Engineer</b> • Leads the development of <b>search</b> and <b>recommendation</b> for Cookpad itself and new businesses in all processes of designing and evaluating KPI, make and managing strategic plans, implementation, in terms of <b>NLP</b> and <b>machine learning</b> . • Develops tools to simplify <b>machine learning deployment</b> and <b>maintenance</b> . • Builds <b>AutoML</b> function using table data for recipe data normalization. • Makes <b>technical presentations</b> at several conferences and <b>write technical articles</b> for recruitment and awareness improvement.	<b>11/2017 – present</b>
<b>Ubie.Inc</b> Toyo Japan	<b>Freelance Engineer</b> • Built <b>ChatOps</b> System for <b>Kubernetes</b> deployment with <b>Golang</b> .	<b>12/2018 – 01/2019</b>
<b>Retty.Inc</b> Tokyo Japan	<b>Data Engineer</b> • <b>Launched and led the data engineering team</b> and solved problems of current DWH. • Built the basis of data utilization environment using <b>Apache Spark</b> , <b>BigQuery</b> , <b>fluentd</b> , <b>kinesis</b> , <b>Airflow</b> and <b>embulk</b> in a short period of time. • Led infrastructure configuration management in AWS and GCP environments using <b>Terraform</b> and <b>Ansible</b> .	<b>03/2017 – 10/2017</b>
<b>NTT Data Corporation</b> Tokyo Japan	<b>Software Engineer</b> • Designed and developed <b>recommender algorithms</b> and <b>data processing</b> for the TV program recommendation system using Hadoop and Spark (global system, 400+ nodes). • Conducted PoC of <b>data processing for exhaustion prediction of car parts</b> using sensor data. • Designed and implemented <b>data transfer, backup and recovery</b> procedures with a <b>performance-oriented approach</b> , in the BCP project of a <b>huge and demanding</b> mobile fee system. • Took charge of everything <b>from network, OS to middleware design</b> for system development in the US of a Japanese company. • Performed <b>root cause analysis</b> in response to a technical troubleshooting request for <b>Hadoop</b> and <b>Spark</b> from a customer with a support contract. • Did troubleshooting about <b>Oracle Database</b> in several projects. • <b>Educated</b> and mentored several engineers.	<b>04/2010 – 04/2017</b>

## Education

<b>Nara Institute of Science and Technology</b> Nara Japan	<b>MSc Engineering</b> • Master thesis described Linear transformation approaches to many-to-one <b>voice conversion</b> . • We made <b>8+ presentations</b> at domestic conferences and study groups.	<b>04/2008 – 03/2010</b>
--	--	--------------------------

## Education

Osaka University  
Osaka  
Japan

### BSc Engineering

- 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.

04/2004 – 03/2008

## 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

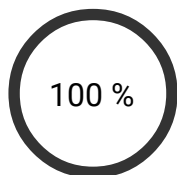
Project Management

R&D

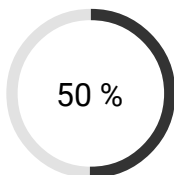
Leadership

Decision making

## Languages



Japanese



English

## Certificates

AWS	AWS Solution Architect Associate	10/2018
IPA	Database Specialist Japanese IT Security Evaluation and Certification Scheme	04/2012
IPA	Network Specialist Japanese IT Security Evaluation and Certification Scheme	10/2012
IPA	Applied Information Technology Engineer Japanese IT Security Evaluation and Certification Scheme	04/2011

## 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 Magazines.

## Hobbies



IoT, DIY, 3D  
printing



Traveling



Tennis



Piano