

YIMING, ZHU

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SUMMARY

A highly motivated, responsible student majoring in computer science, with essential IT skills and teamwork experiences. I am searching for any position that will enable me to utilize my programming, communication, and teamwork skills. From the position, I would like to learn insightful solutions in the industry as well as your business culture.

EDUCATION

Waseda University - Bachelor's, Computer Science 2018.09-2022.07
Tokyo, Japan

- Scholarships: Half-tuition waiver, JASSO scholarship

SKILLS

Programming Languages

- Proficient in: Java, Python
- Familiar with: C, TypeScript, Go, SQL, Haskell

Software

- Database: PostgreSQL, MongoDB, AWS DynamoDB, Redis
- API: Spring Boot, RESTful Architecture, gRPC, GraphQL
- Others: Git, AWS, AWS CDK, GitHub Actions, Travis CI, Figma, Grafana, Docker

Natural Languages

- Native: Chinese
- Proficient: English, Japanese

EXPERIENCE

Software Engineer 2020.12-Present
Tenchijin

- Created a Grafana dashboard for service monitoring
- Setup a data pipeline for downloading meteorological data using Apache Airflow
- Automated code deployment using GitHub Actions and Git Hooks

Software Engineer 2020.03-2020.09
Huobi WT

- Engaged in blockchain-related development in a professional setting
- Mainly worked on the API using Spring Boot and Go with GORM
- Helped refactoring previous codes
- Migrated internal APIs from a RESTful architecture to RPC
- Implemented rate limiting mechanism for the API service
- Documented API details to clients and developers using Swagger/OpenAPI spec

PROJECTS

WasedaTime ([Website](#)) ([GitHub](#)) 2020.06-Present
Tech Leader / Project co-leader / Backend Developer

- Provide serverless backend solutions for the team

- Improved continuous integration and deployment pipeline for frontend code using Github Actions
- Utilize the hosting feature of AWS Amplify, AWS Cloudfront
- Using AWS CDK to achieve IaC and backend automation
- Help frontend members apply micro-frontends architecture in the project.
- Secure API endpoint from malicious requests using API Gateway
- Using Swagger UI to display API documentation to developers in our team
- Introduced Grafana to monitor backend service status and usage
- Implemented a GraphQL API endpoint for flexible queries
- Improved the scraper by taking a multi-threading and asynchronous approach to decrease blocking time
- Integrated monitoring (Sentry, Grafana, Epsagon) and deployment notification (for AWS Amplify, CloudFormation and StepFunctions) into Slack workspace
- Provided a serverless solution to perform scheduled scraping tasks using AWS Lambda, AWS StepFunctions and AWS EventBridge
- OAuth user login with Google and AWS Cognito
- Guide new members to build their development skills
- Introduced a formal development workflow to the team by embracing industry-level specifications and standards

REPL for the IMP Language ([GitHub](#))

2020.09

Hobby Project

- An implementation of the toy programming language IMP including a REPL environment.

SAT Solver ([GitHub](#))

2021.01

Hobby Project

- A simple SAT solver. Accepts DIMACS format input.

CERTIFICATION

Amazon Web Services Cloud Practitioner

2020.03

OBS Broadcast Training Programme

2019.11

JLPT N1

2018.07

VOLUNTEER

OpenStreetMap Foundation

2016.11-Present

Normal member

- Volunteering as an active mapper.
- Set up a local group of 46 people involving scholars, students, contributors and developers.
- Attended the international State of the Map conference for 3 consecutive years.

Chinese learning group at Waseda University

2019.04-Present

Co-manager

- Managed and created documents and learning materials for a group of 100+ students.
- Participating discussions and learning events.
- Event Planning with core group members.