

Allen Ng

Lead Software Engineer

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I'm a fullstack software engineer that able work with frontend / backend / Infra / CI/CD / Machine & Deep learning / Mobile development. I am also curenrntly a lead of a team. Currently interested in exploring more on deep learning

Experience

Lead Infrastructure Engineer

September 2021 – Present

MetLife

MetLife is an international insurance company.

- Managing a small team which focusing on providing internal automation platform such as Chef, Ansible and Terraform to internal users.
- Onboard and coach other teams to work in agile and modern IaC practice and different automation tools.
- Created fully automated server provisioning with terraform and packer together with golang to quickly scales servers on-premises data centers and Azure
- Collaborate and hands-on implementation with many teams to automate legacy manual tasks using Chef and Ansible.
- Managing all Japan server footprints by optimizing Chef, Ensuring all machines match with the security standards.

Head of microservices

January 2021 – August 2021

Zeals

Zeals is industry leader of chatbot commerce in Japan

- Managing a team of 10 which is a combination of Japanese and English speakers, helping to bridge the communication gap between the team and managing overall tasks in the team
- Handling High level design and system architecture
- Working closely with CTO to develop on technical strategies and how to bring product requirements into achievable goals
- Hands-on tasks on building microservices, including protobuf definition, implementation of the services in grpc and golang
- Hands-on tasks on handling infrastructure tasks, working mainly of CI/CD and IaaS to ensure the infrastructure is automated and manageable, including kubernetes, pulumi, circleci, argocd, etc.
- Handling recruitment on both golang engineer and SRE engineer, have been doing technical interview for more than 50 candidates in the past year.
- Driven on test automation on both unit tests inside the microservices, E2E tests across microservices and E2E tests for having headless browser to simulating actual user behavior

Software Engineer

April 2020 – December 2020

Zeals

Zeals is industry leader of chatbot commerce in Japan

- Handling daily infrastructure requirements and continuously improving CI/CD, monitoring, machine learning pipelines and development workflows
- Participate in microservices development in golang, constructed a microservice alone
- Handling technical interview for foreign engineers for SRE / go engineer
- Participate as a initial member of developing new product

Lead Software Engineer

September 2019 – March 2020

PICKUPP

Pickupp is a cloud sourced delivery platform startup. Operating in HK, SG, MY, VN.

- Team lead of operation product team, which mainly work on optimizing performance, workflows and matching process
- Handling feature request from business site, craft and implement feature in both backend and frontend
- Maintainance whole stack of the application
- Implemented data solution on aws using AWS S3, Glue, Redshift, Firehose, Pyspark
- Lead Engineer on one of the mobile app written in react-native
- Implemented own geocoding logic by segmentation and tagging of addresses
- Train Deep learning models to handle image classification

Software Engineer

March 2019 – August 2019

PICKUPP

Junior Software Engineer

March 2018 – January 2019

PICKUPP

IT System Developer

July 2017 – February 2018

ABC COOKING STUDIO HONG KONG LTD.

ABC Cooking Studio is an internation chain cooking studio brand, operating in JP, KR, TW, CN, HK, etc.

- Maintaining entire company's system, create kubernetes cluster to improve Devops
- Refactor old web applications from PHP to nodejs
- Technologies: JavaScript/Oracle DB/PHP/AWS/Node.js/Typescript
- Frameworks: JQuery/Nativescript/React.js/Vue.js/AdonisJS/Laravel/CodeIgniter

Part-time Web Developer

December 2014 – August 2015

PESELY PACKING LTD.

Pesely is a traditional company that selling packing materials, wanted to expand to online business.

- Deploy Magento online store
- Develop backend system used inside the company and able to export products to Magento
- Provide business strategy for online e-commerce

Skills

Frontend Development

HTML CSS Javascript React

Vue React Native

Backend Development

Node.js goLang PHP Python

ORM

Infrastructure

AWS GCP Firebase Kubernetes

Relational / Documents DB Redis

MQ Distributed DB Chef

Terraform Pulumi Ansible

Datadog Splunk

CI/CD

CircleCI Jenkins

Bitbucket pipeline Github Actions

ArgoCD Azure Pipelines

AI

Pytorch fastai tensorflow LLM

Education

Computing (Enterprise Information System)

THE HONG KONG POLYTECHNIC UNIVERSITY

2013 – 2017

Languages

Cantonese – Native speaker

English – Fluent

Mandrain – Fluent

Japanese – Fluent