Image: Second S

Software Engineer at Xendit. 5+ years experience in cloud native application development, specializing in containerized backend development, infrastructure as code and continuous integration.

Work Experience ____

Xendit

- SENIOR SOFTWARE ENGINEER | TypeScript · PostgreSQL · Redis · Terraform · Kubernetes · AWS
- Developed a financial backend service in a 10+ engineers agile team using high-collab. approaches like remote pair programming
- Migrated & deployed a distributed system to be production ready on AWS EKS with minimal downtime of 4 minutes
- Proposed solution architectures, provisioned infra. & CI/CD pipelines for 8+ services on 10+ different AWS services managed by Terraform
- Served as team lead administrator of AWS; conducted investigations & resolved 4+ production incidents for multiple teams

Trend Micro

SENIOR ENGINEER | TypeScript · Python · GraphQL · Kubernetes · AWS

- Integrated internal intelligence API services using GraphQL and Kubernetes for ~400 engineers and threat researchers in threat hunting
- Moved an on-promise system to AWS. Built containerized scalable deployment with AWS Fargate & CDK which reduced ~20% of cost
- · Served as team lead administrator of Kubernetes on AWS; operated 3 clusters & 10+ production workloads
- Introduced IaC tool AWS CDK to our team; provisioned 4 system infrastructures that consist of 6+ different AWS services like AWS Glue, Step Functions & RDS
- Optimized CI/CD pipelines for 6+ projects using prebuilt images, caching & parallelism; adopted conventional commits & semantic versioning that reduced up to 75% of deployment time

Ugotit Design Inc.

FULLSTACK ENGINEER | Node.js · MongoDB · GCP

- Designed & implemented scalable systems with Google App Engine & Cloud Scheduler that served 250+ concurrent users and above 500 QPS
- Served as tech lead & system architect of 4 web-based game projects that generated revenue of over 1 million for the company in 7 months
- Focused on backend development with Node.js & MongoDB; cooperated with frontend engineers to design state management with React Redux; set up frontend build system with Webpack, Babel & Gulp
- Adopted agile development with unit testing & integration testing using ESLint, Mocha & Travis CI with 83% of code coverage

Education

National Chiao Tung University

B.S. IN COMPUTER SCIENCE | Program of Network and Multimedia Engineering

Skills

Programming Node.js (**TypeScript**), Python, Shell Script Infrastructure AWS, GCP, Linux, Kubernetes, Docker **DevOps Tooling** AWS CDK, Terraform, CircleCI, GitHub Actions, Helm

Frameworks Apollo GraphQL, Koa, NestJS, Jest Working Env. Linux, VS Code, Neovim, Git, GitHub Languages TOEIC 905

Selected Projects & Open Source Contribution

Wireless Multicast Video Streaming Recovery System

• Built a proxy server with C++ that recover lost packets from FFmpeg Pro-MPEG FEC video stream in real-time which achieved packet loss rate from 10% down to less than 3%

EEG Desktop Application

• Developed a real-time high-resolution (250Hz, 24bit) electroencephalography (EEG) desktop app that supported 6 types of plot using Web-Socket, PvOt, & Matplotlib

AWS CDK

• Developed features including adding option to specify bundling docker entrypoint & option to auto delete images upon ECR repository removal using CloudFormation custom resource with Lambda function; fixed props validation for EC2 volume & ECR repository constructs; migrated tests from nodeunit to Jest

Open Source Communities

• Devoted to cdnjs camp in NCTU; added / updated 15+ packages in cdnjs; dedicated in Taiwan CDK Meetup community; exchanged directly with AWS developer advocate; attended DevOps Taiwan Meetups & every COSCUP since 2017

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Taipei, Taiwan (Remote)

Aug. 2021 — Current

Taipei, Taiwan

Taipei, Taiwan

Feb. 2019 - Aug. 2019

Hsinchu, Taiwan

Sep. 2014 — Jun. 2018

Sep. 2019 — Jul. 2021