

NGUYEN HAI NAM (JAKE)

HO CHI MINH

Skills

Language/ Framework: Python/Django, NodeJS/Express

Database: MySQL, PostgreSQL (SQL), Redis (k-v) Elasticsearch, Neo4j (graph), Cassandra (column)

Cloud: AWS, GCP

Observability/Monitoring: Influxdb, Prometheus, Grafana, Jaeger, Uptrace, OTEL, Loki, K6, APM

Git, Git flow, semantic versioning

OS: Linux (Ubuntu, Centos)

Orchestration: Kubernetes, Swarm

Ansible, Nginx, Docker

Experience

Moneyforward Vietnam — Sr Backend Engineer

07/2023 - present

Project:

- Invoice web, Supplier Upload

Key achievement:

- Successfully integrated big platform in JP side.
- Designed and developed API communication between frontend and backend and internal service.
- Maintained and improved system architecture related SQS and autoscaling on K8S.
- Identified and resolved complex technical issue (transaction locking, FIFO queue, API performance) and customer support.
- Increased 10% code quality C0, C1

Chainity Labs — Tech Lead

11/2022 - 07/2023

Project:

- Web3 Lifestyle App
- Polkadot Data Studio

Key achievement:

- Led the designing & architecting of backend, front-end, and data storage, ensuring the design of backend service following microservice best practices (K8S, Docker, CI/CD, PostgreSQL master-replica, Load Balancing, RabbitMQ, gRPC, ERC20, ERC721, Staking, Multisig).
- Provisioned, maintained, and monitor K8S cluster.
- Provided technical support and solution and monitor the process of tasks.
- Led a team to develop Web3 app and raised more than \$2M in presale.

Techniques: Python/Django, PostgreSQL, NextJS, Docker, K8S, EFK stack, Loki stack, Prometheus, RabbitMQ, Memcached, Elasticsearch, Ansible, Dapp, NFTs, Blockchain, Cryptocurrency.

Team Size: 8 software engineers

JobHopin — Backend Lead **JobHopin — Sr Backend Engineer**

05/2019 - 11/2022

Project:

- JobHopin <https://www.jobhopin.com>
- eWork <https://ework.vnexpress.net/vi/timviec>

Key achievement:

- Successfully integrated VNExpress.
- Redesigned and migrated infrastructure to ECS cluster.
- Contributed to the technical design and development of API with performance and scalability.
- Designed, built, and managed Elasticsearch for search engine.
- Collaborated with the front-end/mobile team and other team members to establish objectives and design more functional, cohesive codes to enhance the user experience.
- Promoted to Lead at 04/2022

Techniques: Python/Django, MySQL, Neo4j, ELK, AWS (ECS, IAM, EC2, VPC, S3, Amplify, RDS, RedisCache, CloudFront), GitLab CI, GitLab Runner, Docker, Cloudflare.

Team size: 4 backends

YouthDev — Software Engineer

01/2018 - 05/2019

- Designed and developed video streaming platform, infrastructure, and deployment pipeline.
- Applied semantics versioning and Git flow
- Worked in Agile cross-functional teams.

Techniques: Python/Django, MySQL, Redis, Nginx, Git, Git workflow, Gitlab CI, Docker, Docker swarm, Firebase.

FPT Telecom — Data Engineer

03/2016 - 01/2018

Project: FPTPlay <https://fptplay.vn>.

Key achievement:

- Processed 500GB real-time data log per day.
- Provided insight data of video streaming.

Techniques: Python/ Flask, Apache Spark, InfluxDB, Cassandra, MySQL, Redis, Kafka.

Education

Posts and Telecommunications Institute of Technology, HCM City – The Degree of Engineer

2012 - 2017