

Nguyen Hai Nam

Senior Backend Engineer

📍 Thu Duc City, Ho Chi Minh, Vietnam | ✉️ nhnam688@gmail.com

🔗 GitHub: github.com/nhnam6

Skills

- **Backend:** Python (Django), Go(Gin).
- **Databases:** MySQL, PostgreSQL, Redis, Elasticsearch.
- **Cloud & DevOps:** AWS (EKS, ECS, S3, RDS, Lambda), Terraform, Kubernetes, Helm, Docker, ArgoCD.
- **Version Control & CI/CD:** Git, GitHub Actions, GitLab CI.
- **API:** RESTful APIs, GraphQL, WebSockets.
- **Data:** ETL, Apache Spark, Kafka.
- **Software Development:** Agile, CI/CD, GitHub Actions, GitLab CI.

Experience

Asure / Sr. Backend Engineer

June 2024 - May 2025

- Designed and implemented high-performance APIs and microservices in Go and Python.
- Developed blockchain payment features on BSC, Ethereum, and Arbitrum for insurance products.
- Built WebSocket-based real-time chat and donation systems using Redis and RabbitMQ.
- Deployed services using Docker, Helm, and Kubernetes on AWS EKS.
- Implemented CI/CD with GitHub Actions and GitOps workflows using ArgoCD.
- Designed resilient, scalable infrastructure using Terraform and AWS services.
- Tools/Languages/Skills: Python/ Django, Go/Gin, Postgresql, Redis, RabbitMQ, WebSocket, Docker, Kubernetes, ArgoCD, AWS, Terraform, Blockchain, Github.

Key Achievements: Launched live-streaming and blockchain insurance platforms from scratch.

MoneyForward Vietnam / Sr. Backend Engineer

November 2022 - June 2024

- Designed and developed invoice processing systems for the Japanese market, including OCR, document management, and metadata extraction.
- Developed microservices using Python (Django), deployed on Kubernetes with Helm, and maintained with GitHub Actions CI/CD workflows.
- Designed PostgreSQL schemas and optimized database performance.
- Built asynchronous job pipelines with Celery and SQS for background processing and OCR task execution.
- Developed and maintained internal libraries and SDK using OpenAPI Generator.

- Tools/Languages/Skills: Python/ Django, Go, MySQL, Redis, Docker, Kubernetes, SQS, SNS, Datadog, Terraform.

JobHopin / Backend Lead & Sr. Backend Engineer

May 2019 - November 2022

- Led backend team and built scalable job recommendation system using Django and Elasticsearch.
- Integrated OpenAI API for CV/job extraction and vector-based search.
- Migrated monolith to AWS ECS-based microservice architecture.
- Established CI/CD pipelines using GitLab CI, improving code quality and release speed.
- Integrated HubSpot, ActiveCampaign, and Mailchimp for CRM automation.
- Successfully integrated the JobHopin platform with VNExpress and SuccessFactor
- Tools/Languages/Skills: Python/ Django, ReactJS, MySQL, Neo4j, AWS (ECS, EC2, VPC, RDS), Redis, GitLab CI, Docker.

Key Achievements: Successfully integrated the JobHopin platform with VNExpress and SuccessFactor.

FPT Telecom / Data Engineer

March 2016 - May 2019

- Built scalable ETL pipelines for large-scale log analytics.
- Designed dashboards and APIs for internal data analytics.
- Tools/Languages/Skills: Python/ Flask, Apache Spark, Cassandra, MySQL, Redis, Kafka.

Education

Posts and Telecommunications Institute of Technology, HCM City

Bachelor of Engineering

2012 - 2017

Projects

1. Livestream platform with real-time video, chat, and crypto donations. Built on AWS IVS, EKS, WebSocket.
2. Insurance: Blockchain-based insurance platform integrating USDT/USDC payments, KYC, and wallet logic.
3. JobHopin AI: Resume and job parsing, vector matching with OpenAI + Elasticsearch, job recommendation engine.