



NGUYEN DAI LONG

Software Engineer

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PROFESSIONAL SUMMARY

Backend Engineer with 4+ years of experience developing backend systems and RESTful APIs using Python (Django/DRF) and Laravel.

Experienced in database design, API development, system performance optimization, and deploying applications on cloud platforms such as AWS and Google Cloud Platform.

Worked on systems serving 10k–30k users, including real-time features, large file processing, notification systems, and CI/CD deployment pipelines.

Interested in building reliable backend systems and improving scalability, performance, and maintainability.

TECHNICAL SKILLS

Programming:

- Python, PHP, JavaScript, SQL

Backend Frameworks:

- Django, Django REST Framework, Laravel

Frontend:

- VueJS, HTML5, CSS3, TailwindCSS, Bootstrap

Databases:

- PostgreSQL, MySQL, MongoDB

Cache & Realtime:

- Redis, WebSocket

Messaging & Notification:

- Email Services, Push Notifications, Background Jobs

Cloud Platforms:

- AWS
- Google Cloud Platform

DevOps & Deployment:

- Docker
- CI/CD Pipelines

Backend Engineering:

- REST API Design
- Database Schema Design
- OAuth2 / JWT Authentication

Tools:

- Git, Postman, Figma, Slack, Trello, Notion

PROFESSIONAL EXPERIENCE

Oct 2023 - Present	SOARIG VIETNAM Backend Engineer / Backend Lead • Developed backend services using Django REST Framework and PostgreSQL. • Built RESTful APIs supporting various business workflows. • Implemented real-time features using Redis and WebSocket. • Designed database schemas and optimized queries for better performance. • Built and maintained CI/CD pipelines using Google Cloud Build and Cloud Run. • Deployed containerized services using Docker on Google Cloud Platform. • Implemented bulk email and push notification features for system alerts and user notifications. • Collaborated closely with frontend teams to integrate APIs and improve system functionality. • Participated in code reviews and supported team development workflow. • Participated in improving system stability and deployment processes.
Mar 2022 - Sep 2023	HIKONI Co., Ltd Backend Developer • Developed backend systems using Laravel and MySQL for Japanese enterprise clients. • Built RESTful APIs for web and mobile applications. • Designed database schemas and implemented backend business logic. • Optimized backend performance through query tuning. • Maintained and improved existing production systems.

KEY PROJECTS

May 2025 - Present	Project Name: Professional Certification Management & E-Learning Platform Position: Backend Developer, Cloud Deployment Tech Stack: DRF, Next.js, PostgreSQL, Redis, Docker, AWS, Stripe Payment Responsibilities: • Developed backend APIs using Django REST Framework to support certification management and e-learning features. • Designed and implemented APIs for course management, certification workflows, and user management. • Integrated Stripe payment gateway for course purchases and subscription payments. • Used Redis to improve system performance and support background processing. • Implemented bulk email and push notification features for user notifications. • Deployed and configured application services on AWS cloud environment. • Collaborated with frontend developers to integrate APIs with the Next.js application.
May 2024 - Present	Project Name: Team Management System – Supporting Businesses Position: Backend Lead, Backend Developer Tech Stack: DRF, Next.js, PostgreSQL, Redis, Docker, GCP, WebSocket, Stripe Payment, Dotmoney Exchange API Responsibilities: • Developed backend APIs using Django REST Framework. • Implemented real-time features using Redis and WebSocket. • Optimized PostgreSQL database queries to improve performance. • Deployed backend services on Google Cloud Platform. • Integrated Stripe payment gateway for subscription payments. • Collaborated with frontend teams to ensure smooth API integration.

Oct 2023 - May 2024	Project Name: Landing Page Builder via LINE Platform Position: Full-stack Developer Tech Stack: Laravel, VueJS, LINE API Responsibilities: - Implemented backend logic using Laravel. - Designed database schema and integrated APIs. - Developed frontend interfaces using VueJS.
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CLOUD & INFRASTRUCTURE EXPERIENCE

Cloud Infrastructure Optimization

- Designed and deployed infrastructure for production systems serving 30,000+ users.
- Optimized cloud infrastructure cost from \$1000/month → \$500/month (50% reduction).
- Improved resource allocation and system efficiency through infrastructure tuning.
- Implemented monitoring and logging to improve system reliability.

SYSTEM ENGINEERING EXPERIENCE

- Implemented chunked file upload system supporting files up to 5GB.
- Built backend pipeline for large PDF processing with memory optimization.
- Developed real-time notification features using WebSocket.
- Implemented bulk email and push notification processing for system alerts and user notifications.
- Improved backend processing to avoid memory issues in container environments.

EDUCATION

2018 - 2022	Duy Tan University Bachelor of Software Engineering GPA: 3.46/4
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HONORS & AWARDS

2024	Outstanding Employee of SOARIG VIETNAM
2025	Project of the Year (Team Award) of SOARIG VIETNAM