

# Nguyễn Hoàng Giang

## Information

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## Summary

- I am a software engineer with 4 years of experience in software development. I have experience in developing backend services for web applications, mobile applications, and desktop applications. I have experience working with various technologies such as Nodejs, Python, PHP, ReactJS, VueJS, React Native, ElectronJS, Django, FlaskAPI, FastAPI, Laravel, YII, MySQL, MongoDB, PostgreSQL, SQLite, RDS, DocumentDB, Docker, Kubernetes, Jenkins, GitlabCI, GithubAction, AWS, GCP, Azure, OpenAI, Anthropic, LLama, Langchain, Grafana, Prometheus, ELK, CloudWatch, Git, Jira, Confluence, Slack, Trello, Asana. I am looking for a position as a backend engineer or fullstack engineer to develop and maintain backend services for the company's projects.

## Education

- **University:** FPT University
  - **Major:** Software Engineering
  - **Year of graduation:** 2021
  - **GPA:** 3.0
  - **Capstone Project:**
    - **Project Name:** DDGS - Digital Document Generation System
    - **Description:** Using ERNIE to generate practice tests for FPT Education exams. And using Bert to check duplicate content in the generated documents.

No.	Project Name	Position	Team size	Description	My Responsibilities	Technologies
1	DDGS - Digital Document	Project Manager	5	Using ERNIE to generate practice tests	Manage the project, develop and maintain	Nodejs, PostgresDB,

No.	Project Name	Position	Team size	Description	My Responsibilities	Technologies
	Generation System			for FPT Education exams. And using Bert to check duplicate content in the generated documents.	backend services, integrate AI models	ERNIE, Bert, CloudWatch

## Skills

No.	Skill	Detail
1	Server	- Nodejs (ExpressJS, NestJS, KoaJS, ElectronJS)
		- Python (Django, FlaskAPI, FastAPI)
		- PHP (Laravel, Yii)
	Other Language	- Java, C#, Rust (Tauri)
2	Client	- ReactJS, VueJS, React Native
		- HTML, CSS, Javascript
3	Database	- MySQL, MongoDB, PostgreSQL, SQLite, RDS, DocumentDB
4	DevOps	- Docker, Kubernetes, Jenkins, GitlabCI, GithubAction
5	Cloud	- AWS (EC2, S3, RDS, Lambda, API Gateway, CloudFront, ESE, DocumentDb)
		- GCP (Compute Engine, Cloud Storage, Google map platform)
		- Azure (Virtual Machine, Blob Storage, Function App, OpenAI)
6	AI	- OpenAI, Anthropic, LLama, Langchain
7	Monitoring	- Grafana, Prometheus, ELK, CloudWatch
8	Others	- Git, Jira, Confluence, Slack, Trello, Asana

**Language:**

- **English:** Intermediate (Reading documents, chatting)
- **Vietnamese:** Native

My Special Projects:

- **ChatPDF:** Using LLM Anthropic to embed from OpenAI GPT3.5 to generate chatbot conversations in PDF format. Using Langchain to check the content of the chatbot conversation.
- **Auto Crawl Best Product and Post to Vocal:** Using OpenAI GPT3.5 resolve captcha of amazon and crawl the best product from Amazon and using anthropic to generate content then post to Vocal.

Experience

1. **Company:** React plus
- **Position:** Backend Engineer
  - **Time:** 11/2023 - Present
  - **Responsibilities:**
    - Develop and maintain backend services for the company's projects.
    - Participate in the design and implementation of the company's projects.
    - Work with the frontend team to integrate the frontend and backend.

No.	Project Name	Position	Team size	Description	My Responsibilities	Technologies
1	Nishibori	Backend Leader	11	- This is a product associated with a major cosmetic surgery hospital in Japan. It utilizes a fine-tuned OpenAI model to identify melasma or freckles, determine the number of treatment sessions required, and relay this information back to each hospital.	Develop and maintain backend services, integrate AI models into the backend	NestJS, PostgresDB, OpenAI, CloudWatch

No.	Project Name	Position	Team size	Description	My Responsibilities	Technologies
2	Upshare	Backend Leader	7	- This is a product similar to Google Drive, designed for managing images for an e-commerce website.	Develop and maintain backend services	Nodejs, DocumentDB, AWS Lambda
3	NGS - Contracting	Team Leader	5	An application for managing the daily tasks of workers on a farm. It includes management of foremen and their employees, tracking what tasks they perform, and reporting through before-and-after images upon task completion.	Analyze the design from Figma + FSD to create a WBS (Work Breakdown Structure) for each task. Create a backlog and assign tasks to individual team members. Develop the base structure and handle backend tasks, as well as some high-complexity client-side tasks.	Nodejs, PostgresDB, React native, AWS
4	Plumber - <a href="#">Unclog.it</a>	Backend Leader	11	An application for booking plumbers to repair household fixtures such as pipes, toilets, sinks,	Develop and maintain backend services, integrate Stripe payment gateway	NodeJS, PostgresDB, Stripe, CloudWatch, GG Map platform

No.	Project Name	Position	Team size	Description	My Responsibilities	Technologies
				etc. Payment and money transfers are managed through Stripe, which also handles the booking process.		
5	Jiffy - <a href="#">jiffy.jp</a>	Backend Leader	9	A web application that allows users to drag and drop elements to create a personal website. It enables the creation of databases for each app, the addition of internal or external APIs, and generates code in ReactJS and NodeJS.	Develop and maintain backend services	NodeJS, PostgresDB, ReactJS, AWS

## 2. **Company:** Gotech JSC

- **Position:** Technical Leader - Fullstack Engineer
- **Time:** 1/2023 - Present
- **Responsibilities:**
  - Lead the technical team to develop and maintain the company's projects.
  - Participate in the design and implementation of the company's projects.
  - Work with the project manager to plan and assign tasks to the team.

No.	Project Name	Team size	Description	My Responsibilities	Technologies
1	Polypi - <a href="https://polypi.ai">polypi.ai</a>	15	Using AI to generate practice tests for English language exams including IELTS, TOEIC, and the high school graduation exam.	Develop and maintain backend services, integrate AI models into the backend, Coding UI Screens	PHP (Laravel), Vue3JS, OpenAI, Anthropic, Alepay, Speech Super, Google Text2Speech, Speech2Text, ...
2	ESO Systems - <a href="https://qlnv.esoieltsmastery.edu.vn">qlnv.esoieltsmastery.edu.vn</a>	10	An application for calculating salaries and managing sales staff across various centers within the system.	Develop and maintain backend services, Calculate salary, Manage sales staff	PHP (Laravel), Vue3JS, PostgresDB, AWS
3	Ehon Book - <a href="https://ehon-inc.jp">ehon-inc.jp</a>	15	Using Unity to generate comic book pages with pre-defined structures created by 3D modelers, and then compiling them into PDF format	Develop and maintain backend services, integrate Unity into the backend	NodeJs, ReactJs, Mysql, Unity, AWS

No.	Project Name	Team size	Description	My Responsibilities	Technologies
			to produce books that can be printed or downloaded.		

### 3. Company: Vais - VIETNAM AI Solutions

- **Position:** Backend Engineer
- **Time:** 5/2022 - 1/2023
- **Responsibilities:** - Develop and maintain backend services for the company's projects. - Participate in the design and implementation of the company's projects. - Work with the frontend team to integrate the frontend and backend. - Work with the AI team to integrate AI models into the backend.

No.	Project Name	Team size	Description	My Responsibilities	Technologies
1	VIONE - <a href="https://memobot.io">memobot.io</a>	20	A speech-to-text application for Vietnamese speakers from all three regions of Vietnam.	Create an API to process audio, provide general assessments, and detailed model comparisons with competitors.	KoaJs, Elasticsearch, PostgresDB, VIONE AI models, CloudWatch
2	LAW SEARCH ENGINE	10	An application that crawls and collects all Vietnamese laws from websites such as <a href="https://sav.gov.vn">sav.gov.vn</a> or <a href="https://thuvienphapluat.vn">thuvienphapluat.vn</a> , etc., to create a fast law search engine using technologies like caching, Elasticsearch semantic search, and other relevant tools.	Create jobs to crawl data from various sources, push it into a database and Elasticsearch. Use AI to detect content that may be relevant to the information we need to retrieve.	KoaJs, Elasticsearch, PostgresDB, Pho Bert, CloudWatch
3	YOCAR	7	An application used for buying and selling used cars.	Synchronize products from the store's website with the booking website. Create test drive orders, schedule test	NodeJs, PostgresDB, VAI AI models, CloudWatch

No.	Project Name	Team size	Description	My Responsibilities	Technologies
				drives, and arrange maintenance appointments.	

4. **Company:** Vietis Corporation

- **Position:** Internship (1 month) - Fullstack Engineer (Fulltime)
- **Time:** 5/2019 - 5/2022
- **Responsibilities:**
  - Learn and practice software development.
  - Participate in the company's projects.
  - Work with the team to develop and maintain the company's projects.

No.	Project Name	Team size	Description	My Responsibilities	Technologies
1	Admin inventory system	12	Admin inventory system for a mobile phone dealer	Develop and maintain services	NodeJs, ReactJs, Mysql, AWS
2	E-commerce website	10	Creation of a payment web app, chat, survey administration, etc., for major Japanese gas agents	Develop and maintain services	NodeJs, ReactJs, Mysql, AWS
3	Affiliate marketing management	10	An application for managing affiliate marketing campaigns for a Japanese company	Develop and maintain services	Django, VueJs, Mysql, AWS
4	Network diagrams	5	An application for drawing network diagrams using vis.js	Develop and maintain services	NodeJs, VueJs, Postgres, AWS
5	Print App	5	Scan app developed in C# reads device scans and loads images, uses emucv to detect faces	Develop and maintain App	C#, EmguCV, Postgres