



Nguyễn Quang Bách

Developer

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OBJECTIVE

I have 8 years of experience in web application development, with the ability to manage the entire process—from gathering requirements to delivering the final product to users. I am passionate about exploring and applying new technologies to create practical, real-world solutions. With a commitment to continuous learning and improvement, I am eager to take on new challenges that allow me to leverage my skills and contribute to successful projects.

EDUCATION

Jan 2021 - Dec 2024	Master of Science in Software Engineering University of Engineering and Technology - VNU Thesis: Machine Learning Model for Forecasting Stock Prices on the Vietnamese Stock Market Using Technical Indicators
Sep 2014 - Jun 2018	University of Engineering and Technology - VNU Major: Information technology GPA: 3.07/4

WORK EXPERIENCE

Oct 2025 - present	BLITZ Labo Senior Backend Developer Main responsibilities: <ul style="list-style-type: none">- Design, develop, and maintain microservices for a cryptocurrency exchange system- Implement REST/gRPC APIs for auth, reward service, notification service- Monitor, troubleshoot, and improve production services- AI native
Oct 2022 - Jul 2025	Minma Vietnam Senior Backend Developer Main responsibilities:

- One of the first engineers to establish and grow the development team in Vietnam.
- Led the migration of the legacy system to a microservices architecture.
- Designed and developed multiple micro-apps with NestJS to expand the functionality of the existing system.
- Researched and implemented new features to enhance the platform's scalability and performance.
- Integrated AI-powered features to support operations and automate responses with Python, Langchain Framework and N8N Workflow

Aug 2020 - Sep 2022

Gobysend

Developer

Main responsibilities:

- Took part in early-stage product development as a core backend engineer in a startup environment.
- Researched, proposed, and implemented key product features based on user needs and market analysis.
- Developed backend for a CDP and CRM tools.
- Built the core system for marketing automation workflows, supporting messaging (email, SMS, Zalo, push) and various CRM-related actions like tagging and segmentation.
- Integrated and synchronized data with external CRMs such as KiotViet and Sapo via APIs.
- Designed scalable services to ensure high-performance data processing and system stability

Jun 2018 - Jun 2020

Thu Do Multimedia JSC

Developer

Main responsibilities:

- Developed and maintained APIs for both web and mobile applications, ensuring seamless integration and functionality.
- Created tools and utilities to support the sales team in improving their workflows and achieving better performance.
- Conducted research and development of new products, contributing to the company's innovation and product expansion.

SKILLS

Programing Language	NodeJS, Typescript, Python, Java, PHP
Database	Postgresql, Mysql, MongoDB, TimescaleDB, Elasticsearch, Sqlite, OpenSearch
Messaging & Caching	RabbitMQ, Redis
Framework and Platform	NestJS, ExpressJs, FastAPI, Flask, Celery, Laravel, Wordpress, VueJS, Electron, LangChain
Architecture	Microservices, Distributed Systems, gRPC, RESTful APIs, Event-driven architecture

AI Tools	LangChain, Gemini, OpenAI API, n8n, prompt engineering
DevOps & Cloud	Docker, Portainer, Git, CI/CD (GitHub Actions, GitLab CI), AWS, Azure, VPS, APISIX, NGINX, Apache, PM2, Ansible
Tools	Git, Postman, Cursor, GitHub Copilot
Other skills	Deep learning (Pytorch)
Language	English (B1)
Soft skills	Good presentation, Teamwork, Startup mindset, Problem solving, Self-learning, Team collaboration

PROJECTS

Bitcastle

(10/2025 - present)

Customer	a Product of Blitz Labo
Description	a large-scale cryptocurrency trading platform serving global users. link: https://bitcastle.io
Team size	40
My position	Developer
My responsibilities	<ul style="list-style-type: none"> - Design, develop, and maintain microservices for a cryptocurrency exchange system - Implement REST/gRPC APIs for auth, reward service, notification service - Monitor, troubleshoot, and improve production services
Technologies used	- NestJS, microservices, kafka, mysql, AI-native, claude code

Hội An Photobooth

(10/2025 - present)

Customer	Freelancer
Description	A production photobooth system deployed in Hoi An for tourism services, enabling visitors to capture photos, print instantly on-site, and download digital copies via QR code.
Team size	3
My position	Developer
My responsibilities	<ul style="list-style-type: none"> - Build a system to manage and control photobooth devices (camera, printer, kiosk) - Develop a local backend service to interact with devices and provide APIs for the web application - Implement WebSocket communication between device management module and local backend for real-time control and status updates - Handle image processing and integrate photos into predefined frames
Technologies used	-C#, Python, Flask, OpenCV, WebSocket, SQLite, Cursor, Claude code

ThoXanh

(8/2025 - 12/2025)

Customer	Freelancer
Description	A service booking platform that allows users to schedule home cleaning services and manage service providers.
Team size	6
My position	Developer
My responsibilities	<ul style="list-style-type: none"> - Develop and maintain user-related APIs for the service booking platform Implement authentication, profile management, and booking history features - Design and optimize database queries for user operations - Ensure API performance, security, and reliability in production - Collaborate with frontend/mobile teams to integrate user features
Technologies used	- PHP, Laravel, React

MidasTouch

(1/2024 - 12/2024)

Customer	A product collaboration with experts in the stock market
Description	The platform provides users with stock trading recommendations and stock screening features, helping investors make informed decisions based on comprehensive data insights.
Team size	3
My position	Developer
My responsibilities	<ul style="list-style-type: none"> - Research and implement algorithm, deep learning with PyTorch - Build web app: VueJS, NestJS, FastAPI - Build background job: crawler, analytic,... with Celery - Optimize code and database - Bug Fixing - Devops
Technologies used	- NestJS, VueJS, Python, Celery, FastAPI, Java, Microservices, Azure, GCP

Curama

(10/2022 - 7/2025)

Customer	A product of Minma
Description	Curama is a Japanese e-commerce platform that connects users with professionals for various services such as air conditioner repair, lawn mowing, and other household tasks. Minma Vietnam, a subsidiary of the parent company, is responsible for expanding the platform's existing features to meet the growing demand and improve functionality. Additionally, the team at Minma Vietnam is conducting research and development to transition the platform from a monolithic architecture to a microservices-based system, enhancing scalability and performance.
Team size	15
My position	Developer

My responsibilities	<ul style="list-style-type: none"> - Reseach - Design solution, database - Build micro-apps - Optimize code - Bug Fixing
Technologies used	- NodeJS, NestJS, Nunjucks, NPM package, VueJS, AWS, Ansible, Python, Langchain, Gemini

Gobysend
(2020 - 2022)

Customer	A product of Gobysend
Description	- Automation marketing: Automate the entire customer journey. This application help customer support team send email, zalo ZNS, SMS to their customer to notify about order, promotions, remarketing, ...
Team size	7 (2 backend, 2 frontend, 1 tester, 2 intern)
My position	Backend Developer
My responsibilities	<ul style="list-style-type: none"> - Reseach - Design solution, database - Build web API - Connect to other service such as Zalo, AWS SES, Mailgun,... - Connect to sync data from CRM - Build background job for automation task - Design database - Optimize code - Bug Fixing
Technologies used	- PHP Laravel, Java, VueJS, RabbitMQ, Elasticsearch

Dream LMS
(1/2021 - 8/2021)

Customer	English Center
Description	- A website to take exam online. Teacher can create exam with many question types: multi choice, fill in blank,.... Students take the test and know the results immediately, this result also send to their parent via email.
Team size	2 (1 backend, 1 frontend)
My position	Backend Developer
My responsibilities	<ul style="list-style-type: none"> - Reseach - Design database - Build web API - Optimize code - Bug Fixing - Manage server
Technologies used	- NodeJS, Typescript, Type stack (Type ORM, TypeDI), Mongoddb, VueJS

AI EXPERIENCE

- AI tool: Cursor, Claude code, ChatGPT, Codex, Stitch, OpenClaw
- AI workflow:
 - + Research: Use ChatGPT to research about issue if need
 - Ex: In HoiAnPhotoboot project, I don't know about take photo from system, I chat with ChatGPT to learn how to control Canon camera
 - + Brainstorming: use ChatGPT or some skill like superpower/brainstorming
 - + Write spec: use open-spec skill to write spec and tracking change in spec
 - Ex: In SummerCampaign project (a personal project, launched on <https://tntt.gxdangian.com>), I wrote all spec with open-spec and whenever I change spec, i always make AI change this.
 - + Planning: use AI Agent to generate plan to implement spec, if it has any problem I will tell AI agent generate a new plan
 - + Coding: AI agent will implement this plan. When it run, it will test all thing it code. If i see anything that not true, I will tell AI to correct it
 - + Test and debug: After AI agent code and test, I will test again by myself to make sure AI agent is correct. If have any bug, i will describe detail for AI agent