



Back-end Developer

# NGUYEN KE NAM

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My main focus is on advancing in my career, aiming to excel as a back-end developer. I'm committed to enhancing my interpersonal and technical skills while making a meaningful contribution to the organization's overall success and personal growth.

## Skills

- **Main skills:** Build .NET backend components (workflows, data layers, APIs), UI components using ReactJS.
- **Proficient in:** ASP.NET Core (APIs, MVC), JS framework (NextJS), SQL (MySQL, MS SQL, MongoDB), OOP (C#, Java), ReactJS.
- **Has experience with:** API gateway (Nginx, Ocelot), message broker (RabbitMQ), container orchestration (KubectI, Docker), AWS, Middleware (Auth, Log), EF Core (code first, database first), React (Framer motion, Three Fiber).
- **Knowledgeable about:** Microservices, Repository pattern, Dependency Injection, development processes (Agile, Scrum).
- **Languages coursework:** Upper Intermediate English.

## Work Experience

### March - September 2023 Working at FPT Software

**Arranging Shipment Algorithms** - crafted warehouse storage solutions for arranging shipments.

- **Technologies:** WinForms, .NET Framework, class library, SQL server.
- **Members:** 1 project manager; 1 tech lead; 3 back-ends.
- **Contribution:** Reduce packaging size using no-fit polygon algorithm;  
Implement error propagation models to improve operator reliability in mechanical operations;  
Create a UI for post-shipment arrangements, allowing for precise adjustments.

### March 2022 - March 2023 Working at RESO Company

**Social Media Marketing Agency** - system helps Brands connect to Content Creators/KOL.

- **Technologies:** ASP.NET Core web APIs, Nginx, EF Core, SQL Server, NextJS, Docker, AWS.
- **Members:** 1 tech lead; 1 DevOps; 2 back-ends; 2 front-ends.
- **Contribution:** Craft OLAP database for in-depth analysis and reports service;  
Employed MPSO algorithm to optimize the employee job-matching process;  
APIs implement;

**Developer Skill Assessor** - platform helps recruiters easily locate and connect with qualified tech talent.

- **Technologies:** ASP.NET Core web APIs, EF Core, Firebase, Nginx, Redis, SQL Server, Flutter, Docker, AWS.
- **Members:** 1 tech lead; 1 DevOps; 2 back-ends; 2 front-ends.
- **Contribution:** Orchestrate Docker containers for coding tests and mark their coding performance;  
Firebase Authentication, Firebase Cloud Messaging; APIs implement;

## Projects

**Stock Market Trends** - app for tracking stock prices over time, assessing company financial health, monitoring market trends.

**Technologies:** Figma, NextJS, Tailwind, Frame-motion, MongoDB.  
**Responsibility:** Interactive Data Visualization, Responsiveness, Animated Landing Page, API implementation.

**Free Ads YouTube** - an app elevates user experience on video-sharing platforms by eliminating all advertisements.

**Technologies:** ReactJS, Tailwind, Frame-motion, MongoDB.  
**Responsibility:** UI Design, Responsiveness, implementation of interactive elements, API implementation.

**Social Media Data Extraction Tool** - a tool to collect metadata of social posts on multiple platforms.

**Technologies:** Selenium Webdriver, BeautifulSoup, OpenCV library, Python, MySQL, Docker.  
**Responsibility:** Automate the scheduling, apply data partitioning and Incremental updates.

## Education

### September 2019 - May 2023 Study at FPT University HCMC

**Bachelor's degree:** Software Engineering, major: Information Systems.

**Relevant coursework:** Cloud Computing, Software Architecture, Data Structures and Algorithms, Business Communication.