



Back-end Developer

NGUYEN KE NAM

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My main goal is to advance in my career and attain the senior back-end developer position. I'm committed to enhancing my interpersonal skills while making a meaningful contribution to my personal development and the organization's overall success.

Skills

- **Main skills:** Build .NET applications, and apply algorithms to solve problems.
- **Proficient in:** ASP.NET Core web API, and OOP languages including C#, Java, and Python.
- **Has experience with:** Database schema design, Docker, ReactJS, and AWS.
- **Knowledgeable about:** Application Architecture, Design Patterns, and Project Development Processes.
- **Languages Coursework:** Upper Intermediate English.

Work Experience

March - September 2023 Working at FPT Software

Packaging Shipment Algorithms - develop solutions for arranging shipments within a warehouse environment.

- **Technologies:** WinForms, .NET Framework Class Library.
- **Members:** 1 project manager; 1 tech lead; 3 back-ends.
- **Contribution:** Reduce packaging size by 30% using no-fit polygon algorithm;
Implement error propagation models to improve operator reliability in mechanical operations;
Design a post-shipment arrangement interface 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, Rest API, Entity Framework Core, Dynamic LINQ, SQL Server, ReactJS.
- **Members:** 1 tech lead; 1 DevOps; 2 back-ends; 2 front-ends.
- **Contribution:** Integrated an OLAP database for in-depth analysis and reports, resulting in a substantial reduction in daily transaction workload;
Employed MPSO algorithm to optimize the employee job-matching process.

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

- **Technologies:** ASP.NET Core, Rest API, Entity Framework Core, ASP.NET Core Middleware, Redis, SQL Server, Flutter.
- **Members:** 1 tech lead; 1 DevOps; 2 back-ends; 2 front-ends.
- **Contribution:** Configure isolated Docker containers for each candidate to do coding tests and mark their coding performance;
Implemented Firebase Authentication and Firebase Cloud Messaging for real-time communication.

Projects

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 of crawler runs at specific intervals in a Docker environment;
Apply data partitioning and Incremental updates.

Learning System For Kids - an app that helps parents foster their child's social empathy and emotional intelligence.

Technologies: StartUML, Figma, ASP.NET, SQL Server.
Responsibility: Database Schema Design, REST API implementation.

Wedding Reservation Service - app wedding planners help users discover and secure a venue

Technologies: Figma, ASP.NET, SQL Server.
Responsibility: Database Schema Design, REST API implementation, Back-end development.

Education

September 2019 - May 2023 Study at FPT University HCMC

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

Relevant course work: Cloud Computing, Software Architecture, Data Structures and Algorithms, Business Communication.