Nguyễn Thành Long

Backend Developer

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📍 Sơn Đồng, Tam Đảo, Phú Thọ

OBJECTIVE

Backend Developer with 1 year of professional experience in startup environments, focused on building scalable backend services, IoT infrastructures, and reliable data pipelines. Seeking to join an innovative team where I can design and optimize high-performance systems, solve complex backend problems, and grow technically while delivering robust, production-ready solutions with strong data integrity and system reliability.

EDUCATION

2022 - 2026

FPT University │ **Bachelor of Science in Software Engineering**
- Completed coursework includes Data Structures and Algorithms, Web Development, Database Management, and Network Programming.
- Final Year Project: Developed a Real-time Multiplayer Online Game backend using ASP.NET Core, Websockets and MySQL. Optimized data flow between the game client and server, applying lag compensation resulting in a seamless balanced environment between various network conditions.

WORK EXPERIENCE

Jan 2025 - Present

ROGO SOLUTIONS JSC │ **Backend Developer**

Contributed to the architectural design and development of scalable backend services using Node.js (NestJS), managing the integration of IoT ecosystems and high-throughput data streaming for enterprise-level applications.

Project: Smart IoT Automation Ecosystem
- Led the development of a cloud-based automation engine managing real-time state synchronization for over 43,000 smart devices using MQTT and Node.js.
- Implemented LRU (Least Recently Used) caching and cache invalidation strategies to optimize trigger response times, significantly reducing database load and system latency.

Project: Resilient Kafka Data Streaming Service
- Architected a high-reliability Kafka data streaming agent to facilitate secure data sharing between internal systems and third-party partner brokers.
- Engineered a custom fail-safe caching mechanism that preserved pending requests during partner downtime, ensuring 100% data integrity and automated state recovery upon reconnection.

SKILLS

- **Programming Languages:** TypeScript/JavaScript, C#.

- **Frameworks & Libraries:** NestJS, ASP.NET Core, Express.js.
- **Databases & Caching:** MongoDB, MS SQL Server, MySQL, Redis.
- **DevOps & Infrastructure:** Docker, Nginx, CI/CD (GitHub/GitLab Actions).

CERTIFICATIONS

2025	Project Management Principles and Practices - Coursera
2024	Software Development Lifecycle - Coursera
2023	Computer Communications - Coursera