NGUYEN VAN NINH

Full-Stack Architect | Microservices, Full Stack Developer

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SUMMARY

Software Architect / Full-Stack Developer with 7+ years of experience and a deep understanding of both backend and frontend development. Specializes in designing and developing complex, highly maintainable systems that adhere to modern microservice architectures. Hands-on experience building comprehensive solutions and optimizing performance for high-traffic applications in the retail, telecommunications and e-commerce industries, across domains including payment gateways, CMS, ERP, order processing, F&B management, car-rental platforms and pawn-shop chain management.

AI integration: experienced in applying and integrating AI solutions into business workflows, creating automation and intelligent features that optimize cost and improve performance for mid-to-large enterprises.

SKILLS & TECHNOLOGIES

- **Architecture:** Microservice Architecture, DDD, CQRS, OOP, SOLID, Design Patterns, Clean Architecture.
- **Backend Technologies:** .NET Core, ASP.NET MVC, .NET Framework, ABP Framework, Nopcommerce, Web API, Message Queue, Kafka, Authentication, Redis Cache, OAuth2, Elasticsearch, Multi-threading & Asynchrony, Background Job Service.
- **Frontend:** ReactJS, NextJS, Angular, AngularJS, Blazor, Blazor WebAssembly, JavaScript, jQuery, KnockJS, Bootstrap, TailwindCSS, Shadcn/UI, Responsive & Adaptive Design, Front-End Optimization.
- **Database Systems:** SQL Server, PostgreSQL, MongoDB, MySQL.
- **Monitoring & Analysis:** Kibana, Datadog, Seq, Beszel, Uptime Kuma, Google Search Console.
- **DevOps & Cloud-native:** Docker, Docker Compose, Kubernetes (K8s), Helm, Nginx, Linux/Ubuntu, Cloudflare Tunnel, GitOps.
- **CI/CD & Delivery:** Jenkins, Argo CD, GitLab CI/CD, BuildKit, Container Registry, Rolling Deployments.
- **Server Operations & Reliability:** Linux VPS, Docker/Kubernetes operations, Backup & Restore, Disaster Recovery, Monitoring & Alerting, Incident Response, Security Hardening, 99.99% uptime systems.
- **AI-assisted Engineering:** Hermes Agent integrated into server/VPS operations workflow, AI code review, automated CI/CD review gates, automated bug review and server fixes, Telegram operational workflows.
- **Source Control:** Git, GitLab, Bitbucket, SVN, Gitflow & trunk-based development, Jenkins pipelines.
- **SEO & Data Crawling:** NextJS SSR, Google Search Console, Selenium.
- **Tools & Methodologies:** Jira, Confluence, Slack, Figma, Agile, Scrum, Waterfall.

PROFESSIONAL EXPERIENCE

Full-Stack Developer | **NdexTechnology** | *Aug 2024 – Present*

- Designed and developed highly scalable backend services using .NET Core and SQL databases.
- Built responsive, interactive user interfaces (UI) using Angular for seamless user interactions.
- Worked in Agile environments, collaborating closely with product teams to analyze requirements and deliver new features.

Technologies: .NET Core, SQL, Angular, SVN, Windows Server

Back-End Developer | **FPT Retail** | *Sep 2022 – Jul 2024*

- Developed and maintained APIs and system architecture for the retail industry, serving high-traffic business applications such as FPTShop.

- Utilized Job/Cache/Message Queue, Redis and Elasticsearch technologies to enhance backend performance.
- Researched and implemented technology solutions to improve system performance and response time.

Technologies: .NET Core, Kafka, Redis, Elasticsearch, SQL, PostgreSQL, Linux, Git

Back-End Developer | **FPT Telecom** | *Sep 2021 – Aug 2022*

- Monitored and maintained the sales system for shop.fpt.vn, focusing on improving system performance and optimizing APIs.
- Managed a Kafka-based queue system for asynchronous sales processes, ensuring high load capacity and quick recovery from failures.
- Integrated and managed multiple payment gateways (Momo, Foxpay, Visa, Napas) to ensure secure and seamless transactions.

Technologies: Kafka, C#, .NET Core, SQL, Linux, Git

Full-Stack Engineer | **Yes24.vn** | *Mar 2020 – Aug 2021*

- Developed 2D games, landing pages and a user-tracking system similar to Google Analytics using NodeJS and MongoDB.
- Built a CMS with a drag-and-drop interface for building marketing landing pages, similar to Wix.
- Developed interactive JavaScript games for marketing purposes, attracting an average of 10,000 daily visitors per game.

Technologies: Node.js, MongoDB, JavaScript, HTML, CSS, SVN

C# Developer | **Sunfix Vietnam** | *Aug 2019 – Feb 2020*

- Provided technical consulting and training on Acumatica ERP for Abbott partners.
- Designed and developed reusable components using Acumatica frameworks.

Technologies: C#, Acumatica Framework, SQL

CERTIFICATES

- Microsoft Certified: Azure Fundamentals — Microsoft
- M001: MongoDB Basics — MongoDB University

EDUCATION

- **Bachelor of Information Technology** | Saigon Technology University | *2015 – 2019*