

Nguyen Dinh Phu (Tony Nguyen) - Back-end Software Engineer

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SUMMARY

Back-end Software Engineer with 5 years of experience building scalable, high-performance systems using Java and distributed architectures. Designed and owned critical components, including a high-performance job scheduler (<1s latency) and campaign management system processing up to millions of events/day. Known for optimizing development workflows, reducing core feature development time and delivering maintainable, future-ready architectures while contributing solutions across teams.

TECHNICAL SKILLS

Programming Languages: Java, Scala (back-end), Go (system programming)

Frameworks/Platforms: Spring Framework, Quarkus

Database Management Systems: PostgreSQL, MySQL

Version Control: Git

Others:

- Good understanding of OOP methodologies, SOLID principles, coding conventions, system design and design patterns.
- Docker/K8S, Linux, and Bash.
- Kafka, RabbitMQ
- JUnit, Mockito.

PROFESSIONAL EXPERIENCE

FPT Corporation - Back-end Software Engineer

09/2023 - Now

Project: Customer Experience Platform (19 members)

- **Description:** A software solution that centralizes customer data, interactions from all digital channels into single unified view, enabling analysis, management, and personalization of the end-to-end customer journey, boosting engagement and satisfaction.
- **Technologies:**
 - Front-end: ReactJS
 - Back-end: Java (Quarkus), Scala, PostgreSQL, Kafka
- **Key Contributions:**
 - Designed and implemented a high-performance job scheduler replacing a latency-prone legacy system, reducing invocation latency from ~1 minute to <1s, eliminating job loss, and enabling bulk job registration within seconds.
 - Architected core system components for campaign management, supporting multiplexed marketing channels, template handling and external integrations, enabling future business adaptability.
 - Developed and optimized core system components processing up to 14M events/day, optimizing performance and scalability.

- Enhanced system and team's performance, reduced up to 60% core feature development time, contributing cross-team solutions.
- Streamlined development workflow by improving convention and CI/CD pipelines.

International Distribution Corporation - Back-end Developer 03/2022 - 02/2023

Project: Contact Center (6 members)

- **Description:** A centralized platform handling multi-channel customer interactions (voice, email, chat, social media), providing a unified customer view to improve service efficiency and personalization.
- **Technologies:**
 - Front-end: ReactJS, Joget Low Code
 - Back-end: Java (Spring Boot), MySQL, RabbitMQ
- **Key Contributions:**
 - Collaborated with stakeholders to define product roadmap and deliver features aligned with business requirements.
 - Designed and developed back-end services and some front-end modules.
 - Built internal tools to automate operational tasks, improving team productivity and reducing manual effort.
 - Defined development workflows and mentored new team members.
 - Deployed and maintained production systems, ensuring reliability and smooth operation.

NMT Tech - IT Specialist

04/2021 - 03/2022

- **Key Contributions:**
 - Developed and maintained internal tools to support business operations.
 - Implemented solutions for industrial systems, including PLC communication for remote setup, control and monitoring.

EDUCATION

Ho Chi Minh City University of Technology and Education

2018 - 2022

- B.S. in Software Engineering.
- GPA: 79.4% (Distinction)

ACTIVITIES

- Keen reader of IT books and blogs (favorites: Clean Code, Pro Git, Design Patterns, REST API Design Rulebook, PM BOK). I'm also a big fan of Uncle Bob and Linus Torvalds.
- Write blogs and projects at dinhphu28.com/blog and github.com/dinhphu28