Nguyễn Hữu Khang
Software Engineer

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SUMMARY

I am a Software Engineer with over 1 years experience working in professional environment. I specialize in Java, Python, and TypeScript. I enjoy working across both backend and frontend, which makes me a bit of an all-rounder. I'm especially passionate about building scalable, high-performance systems and love diving deep into a product to understand it fully so I can deliver the best solutions. My long-term goal is to keep growing as a software engineer, with a strong focus on SaaS systems.

EDUCATION

Ho Chi Minh University of Technology (Bach Khoa University)
Bachelor of Computer Science

SKILLS

Languages: Java, Kotlin, Python JavaScript/TypeScript

Tools: Git/GitHub, VS Code, Docker, Postman, pgAdmin

Front-end Frameworks: ReactJS, NextJS

Back-end Frameworks: Python FastAPI, Java Spring Boot, Quarkus

CSS Framework: Tailwind CSS, Material UI

Database: PostgresSQL, MongoDB

Operating Systems: Linux(Ubuntu), MacOS, Window

Foreign Language: English - TOEIC (READING, LISTENING) 870

Another Skills: Data Structures and Algorithm, AI Research, Design Database, UML Diagram, Documenting using Latex

WORK EXPERIENCE

Software Engineer Intern at Katalon — April 2025 - Current

- **Role:** Software Engineer Intern
- **Project:** Katalon TestOps
- **Key Contributions:**
  - **Front-End:**
    - Applied Microfrontend architecture to enable flexible, modular, and independently deployable front-end components.
    - Tested front-end behavior and custom React hooks using Jest to maintain UI reliability and functional accuracy.
    - Collaborated closely with designers and product managers to refine feature requirements and enhance user experience through thoughtful implementation.
    - Leverage ReactJS and Material UI to develop a responsive and user-friendly interface.
    - Utilize TanStack Query to optimize data fetching and state management.
    - Develop custom hooks to encapsulate reusable logic and enable efficient grouping of functionalities.
    - Refactor code to centralize common logic and establish a single source of truth.
    - Conduct regression testing to ensure newly implemented features integrate seamlessly with the existing system.
  - **Back-End:**
    - Developed cloud-native microservices using Java, Kotlin and the Quarkus framework for high performance and fast startup.
    - Built a scalable, cloud-based platform to support manual testing workflows.
    - Collaborated in designing and reviewing relational database schemas to ensure scalability and alignment with business logic.
    - Write and optimize JPQL queries to enable high-performance data fetching and improve application efficiency.
    - Integrated Apache Kafka into the microservice architecture to enable reliable, asynchronous communication and event streaming.
    - Wrote robust unit tests and integration tests for backend services using Quarkus Test and JUnit to ensure system stability and maintainability
  - **Others:**
    - Fluent in English and use it as the primary language for professional communication and collaboration.

- · Managed the preparation and delivery of internal demonstrations and software releases, ensuring high-quality presentations and adherence to project timelines
- · Served as a facilitator for team meetings.
- · Collaborated with cross-functional teams to deliver features with multiple interdependencies.
- **Technical Skills:** ReactJS, TanStack Query, Material UI, Quarkus, Apache Kafka
- **Soft Skills:** ScrumBan framework, pair programming, team-work, demonstrated ownership, strong critical thinking, and effective decision-making abilities

Content Creator Online (Capstone Project)   February 2025 - April 2025
- **Key Contributions:**
  * **Front-End:**
    - · Developed a responsive and interactive front-end using Next.js and Tailwind CSS, delivering a fast and seamless user experience.
    - · Ensured the implemented UI is fully responsive and renders consistently across diverse devices and screen sizes. Focus on mobile first.
    - · Wrote unit tests with Jest to validate and ensure correct UI behavior.
  * **Back-End:**
    - · Developed a full-stack platform for creating and sharing stories, inspired by Wattpad.
    - · Designed and optimized PostgreSQL database schemas, and managed schema migrations using Flyway.
    - · Implemented authentication and authorization mechanisms with Spring Security.
    - · Integrated GPT-powered image generation to support creative content creation.
    - · Built high-performance APIs leveraging Java Spring framework.
    - · Utilized Spring JPA for efficient data retrieval and management.
    - · Applied fundamental knowledge of Hibernate to implement efficient and optimized ORM solutions.
  * **Others:**
    - · Led a team of 3 members, coordinating tasks and fostering collaboration to meet project milestones.
    - · Conducted code reviews for team members to uphold code quality, best practices, and consistency.
    - · Managed project planning, including timeline development, resource allocation, and Agile-Scrum methodologies.
- **Technical Skills:** Java Spring, Spring Security, Hibernate, Flyway, NextJS, PostgreSQL
- **Soft Skills:** English, Presentation Skills, Github, Leadership, Agile-Scrum

Junior Software Developer at Team Solutions   June. 2024 – March. 2025
- **Role:** Junior Software Developer
- **Projects:** ThirdAI Supporter, ThirdAI Minutes Agent
- **Key Contributions:**
  * **Front-End:**
    - · Built and enhanced front-end features using React.js and Next.js, delivering a fast, responsive, and user-friendly experience.
  * **Back-End:**
    - · Designed and implemented database schema for the ThirdAI Minutes Agent project, collaborating with team members to ensure scalability and integrity.
    - · Developed and maintained backend APIs using FastAPI for core service functionalities.
    - · Wrote reliable unit tests using Pytest to ensure code quality and prevent regressions.
    - · Participated in daily stand-up meetings and actively provided input to improve feature design and functionality.
    - · Migrate and update database with SQLAlchemy.
- **Technical Skills:** FastAPI, ReactJS, NextJS, ReactJS, Azure Cosmos DB, PostgreSQL, Github
- **Soft Skills:** Presentation Skills, English, Agile - Scrum Framework

Teaching Assistant - digiDation, digiConnection at VUS   Nov. 2022 – Nov. 2023
- **Work Description:** Assist Teacher and Explaining algorithm, code to students
- **Technical Skills:** Data structures & Algorithms, HTML, CSS, Low-code platform - HatchXr
- **Soft Skills:** Presentation Skills, English