NGUYEN QUOC DAT - BACKEND DEVELOPER

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github.com/Datdater

I am aspiring to become a Software Engineer and am currently focused on enhancing my knowledge in the field of technology, particularly in backend development. With a strong foundation in logical processes, I am confident in my ability to tackle complex problems and develop innovative solutions.

EDUCATION

Software Engineering   **Sep 2021 - Present**
FPT University   **GPA:** 8.8/10
- Achieve the Four Prize in the FPT Olympiad Mathematic Contest
- Achieve the 100%+ Academic Scholarship

WORK EXPERIENCE

Digital Transformation Intern   **Sep 2024 - Feb 2025**
Schneider Electric   **VietNam**
- Designed and developed web pages, including UI implementation and layout optimization.
- Wrote and optimized SQL queries and stored procedures.
- Troubleshot and resolved issues related to web applications and database integration.
- Worked with plant staff to build a web application that reports machine failures and statistics, helping team leaders track equipment status and increase efficiency by 50% over paper-based processes.

Tech: C#, ASP.NET, MVC, Razor page, Javascript, jQuery, Tailwind CSS, Bootstrap, SQL Server

PROJECTS

Shourai Game ⧉   **Jan 2025 - Apr 2025**
Shourai - An action RPG game with elemental powers and dynamic combat system.
Team size: 6
Role: Leader
Responsibility
- Designed and developed database architecture for saving game progress, user accounts, and inventory systems.
- Created RESTful APIs to facilitate communication between the game client and server backend.
- Implemented payment gateway integration to enable in-game purchases and premium content.
- Developed a companion website for account management and payment processing.
- Designed and coded one complete game level with unique challenges and enemies.

Tech used: Unity, C#, ASP.NET Core, React.js, PayOS, AWS, Docker, Git
Demo: https://www.youtube.com/watch?v=DK-5eCg6-vE

Diamond Valuation System ⧉   **May 2024 - Jul 2024**
Web application allows to create appointments for diamond appraisal and calculate diamond price based on attributes.
Team size: 4
Role: Team member
Responsibility
- Architected and designed the database to ensure robust and efficient data management.
- Developed APIs using the Spring Boot framework to facilitate seamless communication between the database and front-end services.
- Implemented data synchronization from an external website to ensure up-to-date and accurate diamond information (Crawl data).

Tech used: Java, Spring boot, React.js, SQL server, Docker, Nginx, Github Action, Selenium
Link: https://diamond-valuation.vercel.app
Demo: https://www.youtube.com/watch?v=zuISkbmCqCI&ab_channel=TuanPham

SKILLS

Programming languages: C#, Java
Tools: PostgreSQL, SQL Server, MySQL, Redis, Docker, Postman, Git, Jira, Jenkins, Selenium
Backend: Spring boot, ASP.Net
Frontend: HTML, CSS, Javascript, AngularJS, TaiwindCSS, Bootstrap
Other: Good unsterstanding of OOP concepts, MVC pattern, SOLID principles, N-tired architecture, clean architecture, DDD pattern and design pattern.
Soft skills: Teamwork, Communication, Adaptability, Problem-solving, Anatical thinking