NGUYEN Le Diem Quynh

Full Stack Developer

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Fourth-year engineering student specializing in cyber security, with strong skills in **full-stack development**, particularly in back-end technologies and database management. I am seeking a **4-month internship** in computer science starting in **April 2025**, with the possibility of continuing in an **apprenticeship** during my fifth year.

Education

Cyber Security — *2021-present*

INSA Centre Val de Loire - Bourges - **Main subjects**: Python, Web Development, Database, AI, etc.

Academic Program in Natural Sciences — *2018-2021*

Le Quy Don High School for gifted students Binh Dinh - Vietnam

Projects and Experience

Movie Night Together - Web Application — *August 2024 – present* — *Personal Project*

Create a Social Network for Movie Event Organization
- Development of secure APIs (JWT, OAuth2.0, DRF), real-time messaging and file transfer (Ably, Firebase), asynchronous and scheduled tasks (Celery, Redis), caching (Redis), optimization/automated testing (Django Debug Toolbar, Pytest) , CI/CD (GitHub Actions), infrastructure (Docker, Docker Compose, NGINX with HTTPS/TLS), and front-end (ReactJS)
- **Tech Stack**: Django/ DRF, Celery, Redis, PostgreSQL, WebSocket (Ably), Docker, Pytest, SwaggerUI, Firebase, ReactJS

Github: Movie-Night   **Website:** Movie-Night (https://movienight-ui-550865855378.europe-west9.run.app)

Porfolio - Personal Website — *November 2024* — *Personal Project*

Create a Portfolio Website for Showcasing Projects and Skills
- Development of a portfolio with smooth animations, designed to present projects and skills in a modern, engaging way.
- **Tech Stack:** ReactJS, JavaScript, Mantine, Tailwind CSS, Docker

Github: Portfolio   **Website:** Portfolio (portfolio-production-b7b8.up.railway.app)

Vaukazimut - Mobile Application — *June 2024* — *University Project*

Create a Mobile Application for Organizing Orienteering Races (Physical Education) - Team of 3 members
- SQL Database Design, API Development, and UI Contribution with React Native
- **Tech Stack**: Django/DRF, PostgreSQL, ReactNative

Github: Project-Programmation-Version2

Evolving Game - Automated Multiplayer Game — *September 2023 - April 2024* — *University Project*

Create an Evolution Simulation Game - Team of 6 Members
- Architectural modeling and development of an automated 2.5D game with multiplayer functionality and UNIX socket communication.
- **Tech Stack**: Pygame, Socket C, IPC (Python et C)

Github: Projet_Reseaux

Internship at Global Farm — *June 2022- August 2022* — *Summer Internship in Vietnam*

Agricultural Operations Management

Awards and Certifications

Vietnamese National Student Informatics Olympiad — *December 2021* — *National Competition*

Algorithms and Optimization - *Algorithm, C++*

Individual Competition - Third Place in Final Ranking

Advanced Django - Coursera [Codio] — *September 2024* — *Online Course*

Optimization of Django Rest Framework, API Test Writing, Integration with ReactJS, External API Utilization, and Task Scheduling with Celery and Redis.

APIs - Coursera [Meta] — *May 2024* — *Online Course*

REST API Development, Basic API Structuring, HTTP Request/Response Management, and Understanding of Key HTTP Methods

Technical Skills and Language

- **Programming & Frameworks** - Python, Javascript, C/C++, Java
  - **Back-end:** Django, DRF, Celery, Pytest, API RESTful, WebSocket, API Security
  - **Database :** SQL (PostgreSQL/ MySQL), NoSQL (MongoDB)
  - **Front-end:** HTML, CSS, ReactJS, Tailwind
  - **Operating Systems & Tools:** Unix, Docker, Git

- **Languages:**
  - Vietnamese (Native Language)
  - English (B2+)
  - French (B2)