



NGUYEN ANH DUNG

✉ Anh-Dung.Nguyen@insa-renens.fr

☎ +33749386893

📍 35700 Rennes, France

🌐 [Link to my LinkedIn profile](#)

🔗 [Link to my GitHub profile](#)

As a Computer Engineering student at INSA Rennes (specializing in Cybersecurity & Cloud), I am a serious and adaptable individual with strong autonomy and solid experience in web application development. I am available for a 3-month internship, from June to early September 2026.

PROFESSIONAL EXPERIENCES

• JUNE 2025 - AUGUST 2025

OpenCEMS

Anglet, France

FULL STACK DEVELOPMENT INTERN

- **Full-Stack Development (MERN stack + Python):** Design and implementation of the REPA academic analysis platform (**React, D3.js for visualization, Node.js/Express, Python, MongoDB**).
- **Data Engineering and Back-end:** Implementation of the DBLP data ingestion pipeline in **MongoDB** and development of APIs for the calculation of complex bibliometric metrics (normalized h-index, academic age, etc.).
- **Data Visualization and Intelligence:** Creation of an interactive user interface (**React/D3.js**) to visualize the performance of researchers, integrating normalization by domain via the CSO ontology for a fair evaluation.
- [Link to the project's source code](#)

• JUNE 2024 - AUGUST 2024

PVI Insurance Corporation

Hanoi, Vietnam

BACK-END DEVELOPMENT INTERN

- **Critical API Development:** Design and implementation of robust APIs in **C#** and **ASP.NET** for PVI Insurance's "Online Insurance Assessment" platform.
- **Data Optimization and Performance:** Management and optimization of data queries via **Entity Framework** and **LINQ on MS SQL Server**, ensuring efficiency and integrity for applications in continuous service (24/7).
- [Link to the project's source code](#)

PARCOURS SCOLAIRE

• FEBRUARY 2022 - PRESENT

INSA Rennes

Rennes, France

MASTER'S DEGREE IN COMPUTER SCIENCE

- **Relevant courses:** Data Structures and Algorithms, Systems, Networks, Databases, Web Engineering (Java SpringBoot), Robotics, Machine Learning, Data Analysis and Mining, Statistics
- **Cloud Computing:** High-performance computing and parallelism
- **Cybersecurity:** Identify risks, threats, and vulnerabilities, as well as techniques to mitigate them. Gain practical experience with Python, Linux, and SQL.

PERSONAL PROJECT

LINKUP - REAL-TIME CHAT, VIDEO CALLING, SHARING, AND CONNECTION APP

- **Full-Stack Development (MERN):** Creation of a Full-Stack social application (**React, Node.js, Express, MongoDB**) with advanced features: chat, video calls and real-time screen sharing.
- **Quality and Optimization:** Use of **TanStack Query** and **Custom Hooks** to optimize data management, securing the API via **JWT**, and a stylized interface with **Tailwind CSS**.
- [Link to the project's source code](#)

SWIFTTALK - REAL-TIME MESSAGING APPLICATION

- **Full-Stack (MERN) and Real-Time Development:** Design and deployment of a complete Full-Stack messaging application (**React, Node.js, Express, MongoDB**), integrating **Socket.IO** for instant chat features and presence indicators (online/offline).
- **Security and Back-end Architecture:** Implementation of custom **JWT Authentication** (without third-party services), securing the API via **Rate-Limiting (Arcjet)**, and managing the sending of images via **Cloudinary** and transactional emails (**Resend**).
- **Front-end and UI/UX optimization:** Modern and thematic user interface (**Tailwind CSS, DaisyUI**), with efficient state management provided by **Zustand**, and integration of accessibility features (notification sounds and typing indicators).
- [Link to the project's source code](#)

EAGLE - E-COMMERCE WEBSITE

- **Advanced Full-Stack Development:** Complete design and implementation of a secure E-commerce platform using the **MERN stack (MongoDB, Express, React, Node.js)**.
- **State Management and Critical Services:** Implementation of **Redux Toolkit/Thunk** for high-performance front-end state management and integration of crucial third-party services (**PayPal** for payments, **Cloudinary** for image storage).
- **Security and Deployment:** Implementation of **JWT-based authentication and authorization**, with final application deployment on **Vercel**, ensuring a complete and ready-to-use solution.
- [Link to the project's source code](#)

LANGUAGES

- French (level B2)
- English (level C1)
- Chinese (level A2)
- Vietnamese (Native language)

CERTIFICATES

- Python: [Link to the certificate](#)
- Java: [Link to the certificate](#)
- SQL Avancé: [Link to the certificate](#)
- Analyste de données IBM: [Link to the certificate](#)
- Développeur logiciel Full Stack chez IBM: [Link to the certificate](#)

SKILLS

- Project management
- Teamwork
- Time management
- Problem solving
- Adaptability