

Chuong Do

Software Engineer

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EDUCATION

2022 - present Bachelor of Network Engineering in Information Technology
at **International University VNU-HCMC**.

SKILLS

Programming skills: JavaScript, TypeScript, HTML/CSS, Java, C/C++.
Back-end skills: NodeJS, NestJS, ExpressJS, TypeORM, Prisma ORM, Redis.
Database: PostgreSQL, Microsoft SQL, MySQL, MongoDB.
Other skills:

- Develop Tool: Git, Docker.
- Cloud Service: Microsoft Azure.
- Teamwork Tool: Jira.

Language: English.

HONORS AND AWARDS

3rd Place Winner, Solana Pragmatic 2025 IT Hackathon

EXPERIENCE


VNEMEX Company Limited — Back-end Software Engineer **Nov 2024 – Present**

- **Tech stack:** TypeScript, JavaScript, Express.js, Prisma ORM, MySQL, JSON Web Tokens (JWT), bcrypt, Node-Schedule, Nodemailer.
- **Responsibilities:**
 - Designed and developed RESTful APIs for creating and managing volleyball match schedules.
 - Built and maintained a news page for posting volleyball-related announcements.
 - Implemented secure password reset functionality using token-based authentication and email (Nodemailer).
 - Fixed issues related to date formatting, image display, and error messages for improved UX.
 - Created and updated database schemas to support new features and improve data structure.
 - Collaborated with frontend developers to implement UI based on client-approved Figma designs.
 - Developed partner-related features and adjusted APIs for integration with external systems.
 - Applied rate limiting to enhance API performance and maintain system stability.
- **Achievements:**
 - Contributed to successful delivery of multiple backend modules aligned with business goals.
 - Proficiently handled both backend and frontend tasks using Node.js stack.
 - Adapted quickly to legacy codebase and complex logic.
 - Collaborated cross-functionally to achieve development milestones.
 - Continuously exceeded expectations through technical problem-solving.
 - Deployed the system to production, currently in live use by end users.
 - Took ownership of key features: scheduling, recovery, news, schema/API refactor.

PROJECTS


IU Scheduler — Backend Developer

Oct 2024 – Dec 2024

- **Tech stack:** TypeScript, NodeJS, NestJS, PostgreSQL, React.JS, Microsoft Azure.
- **Responsibility:** Developed and maintained scalable web servers using NestJS and Node.js with a focus on designing and optimizing PostgreSQL databases for efficient data management and retrieval. Implemented secure authentication and authorization mechanisms using JWT tokens to protect user data. Designed and developed an advanced timetable management system with efficient data retrieval solutions in PostgreSQL. Built a robust data synchronization engine to ensure seamless real-time and scheduled data syncing between third-party services and the database.
-  github.com/dnchuong17/IU_Scheduler


IU Care — Backend Developer

Sep 2024 – Dec 2024

- **Tech stack:** TypeScript, NodeJS, NestJS, PostgreSQL, Redis.
- **Responsibility:** Developed server-side services using NestJS, emphasizing robust database schema creation and efficient CRUD operations integrated with PostgreSQL. Implemented secure access control using JWT-based token authentication and authorization. Utilized Redis caching to improve application performance and reliability. Deployed the server seamlessly through Railway Web Service, ensuring smooth and efficient deployment processes.
-  github.com/dnchuong17/IUCareBE

Interest — Fullstack Developer

Mar 2025

- **Tech stack:** NodeJS, ExpressJS, PostgreSQL, Prisma, React.JS, HTML/CSS, Vite, Axios.
- **Responsibility:** Interest is a full-stack web platform inspired by Pinterest, designed for users to explore, save, and manage images with an interactive and visually appealing interface. The frontend, built with React, Vite, and Axios, ensures a fast and seamless user experience. The backend is powered by Node.js, Express.js, and PostgreSQL, with Prisma ORM for efficient database management. JWT authentication and bcrypt secure user data, while Cloudinary and Multer handle media storage. With a scalable architecture and optimized performance, Interest delivers an intuitive and engaging experience for visual content enthusiasts.
-  github.com/dnchuong17/Interest