

Dang Khoa Vo

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EDUCATION

University Of Science (VNU-HCM)

Bachelor's of Science, Software Engineering

District 5, Ho Chi Minh
Aug 2022 — Present

- Cumulative GPA (Sept 2025): 3.88/4.0
- **Honors:** “Sinh Viên 5 Tốt” (Student of 5 Merits), “Thanh Niên Khỏe” (Healthy Student Certificate).
- **Coursework:** OOP, DSA, Web Application Dev, Software Testing, Game Development, Software Architecture, Mobile Dev.

High School for the Gifted (PTNK)

High School Diploma

District 5, Ho Chi Minh
2019 — 2022

SKILLS

- **Languages:** C/C++, Python, JavaScript/TypeScript, C#, Java, Kotlin
- **Web Stack:** ReactJS, NextJS, NestJS, ExpressJS, TailwindCSS, Redux, Zod, Vite
- **Game Dev:** Unity (C#), GameMaker Studio, Pygame
- **Data & Tools:** PostgreSQL, MongoDB, Docker, ELK Stack (Elasticsearch, Logstash, Kibana), Git/GitHub, Figma
- **Testing:** Selenium, Playwright, JMeter, Postman

EXPERIENCE

Web Developer Intern

HPT Vietnam Corporation

May 2025 - Aug 2025
Thu Duc City

- Completed 1-month intensive training followed by 3 months developing a full-stack E-commerce project.
- Engineered a scalable backend using **Node.js (Express)** and **PostgreSQL**, implementing **JWT** authentication and **Zod** validation.
- Developed a reactive frontend using **ReactJS** and **Redux**, integrating **PayPal** for payments and **Google reCAPTCHA** for security.
- Implemented **ELK Stack** (Elasticsearch, Logstash, Kibana) for centralized logging and monitoring.
- Collaborated in an Agile environment using **Docker** for containerization and **Git** for version control.

PROJECTS

Full Stack Developer / Team Lead, Research Paper Management System

Capstone Project, 2025 - Present

- A digital platform to replace legacy paper forms for university scientific research requests.
- **Features:** Manages scientist resources, document submission flows, and automated reviewing processes.
- **Tech:** Node.js, React, PostgreSQL. Focused on role-based access control (RBAC) and document workflow automation.

Full Stack Developer, Bidding Site (E-bay Clone) (github.com/dangkhoa-fakemonika/bidding-repo)

Personal Project, 2025

- A real-time auction platform allowing users to post products and bid live.
- **Real-Time:** Leveraged **WebSockets** (Socket.io) for sub-second bid updates and live chat functionality.
- **Backend:** Implemented cron jobs to handle auction expiration and **Email OTP** for user verification.
- **Tech Stack:** React, Vite, TailwindCSS, ExpressJS, Zod, ELK logging.

Game Developer, SERVED (Game) (github.com/dangkhoa-fakemonika/served-repo)

Personal Project, 2025

- A pixel-art restaurant management simulator built in **Unity (C#)**.
- **Mechanics:** Implemented a complex state machine for customer AI, inventory management minigames, and a dynamic cooking system.
- **Design:** Focused on “Game Feel” (juice), sound design, and difficulty balancing.

Mobile Developer, Lookout - Event Tracking App (github.com/VoDangKhoa22CLC/T1_Repo)

Group Project, July 2024

- A mobile application for tracking and promoting campus events.
- **Tech:** Flutter (Dart) & Firebase.
- **Features:** Real-time data streaming from Firestore, Role-based Auth (Admin/Student/Organizer).

- **Process:** Followed strict Agile methods with 2-week sprints and comprehensive documentation (Vision Doc, UI Design).

EXTRACURRICULAR ACTIVITIES

Robotics IOT Club (HCMUS)

Jan 2023 — Present

- **Coach & Mentor:** Mentored junior students in programming fundamentals (Python/Scratch).
- **Competitor:** Trained for and competed in local **ROBOCUS Contests** (2023, 2024, 2025), developing creative solutions for engineering problems.
- **Workshop Organizer:** Assisted in organizing technical workshops for the university community.

Xuan Tinh Nguyen

Jan 2023 — Feb 2023

- Volunteered to organize educational workshops at Phu Hoa Dong Elementary School and assisted at Thien Duyen social shelter.