ĐẶNG MAI ANH TÚ

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SUMMARY

Final-year Software Engineering student at FPT University and Full-Stack Software Engineer with hands-on experience in developing scalable web applications, backend APIs, and cloud deployments. Experienced in freelance projects, including building and deploying multi-tenant SaaS applications. Skilled in Java, React, AWS, and CI/CD, with strong problem-solving and teamwork abilities.

SKILLS

- **Programming Languages:** Java, JavaScript, C#, Python.
- **Frontend Development:** HTML5, CSS, Bootstrap, ReactJS, Ant Design, Responsive Design.
- **Backend Development:** Spring Boot, Spring Security, RESTful API, OOP, Microservices architecture
- **DevOps:** CI/CD (GitHub Actions), Docker, Linux server management, AWS (ECS, Lambda, S3, SQS, SES, IAM), Nginx
- **Databases:** MySQL, Microsoft SQL Server, Database Design.
- **Software Development:** SDLC (Software Development Lifecycle), Agile/Scrum Methodologies.
- **Tools & Technologies:** Git, Maven, Figma, Postman, Jira, AI Intergration
- **Soft Skills:** Project management, communication, quick learning, English (~IELTS 6.0) and Leadership, requirements gathering.

EDUCATION   Aug 2022 - Present

FPT University (HCM CAMPUS)

- Software Engineering
- GPA: 3.21

WORK EXPERIENCE

SAT Chasedream - Full-Stack Developer   Jan 2024 - Present

As a Full-Stack Developer for *SAT Chasedream*, I designed and developed a multi-tenant LMS platform specialized for Digital SAT preparation. Built a responsive and realistic test-taking interface, and implemented backend APIs to manage question banks, test assignments, and student performance tracking. Integrate LLM to develop explanation feature. Streamlined deployment with GitHub Actions (CI/CD), ensuring a user-friendly, scalable, reliability system optimized for both mobile and desktop currently serving over 400 active users.

- **Technology:** ReactJS, Redux Toolkit, Spring Boot, AWS(SES, SQS, S3), Docker, MySQL, CI/CD Github Action
- **Skills and Competencies Gained:** Full-Stack development, Responsive Design, RESTful APIs, CI/CD with GitHub Actions, database design, collaboration, adaptability, working under high pressure.
- **Video Demo:**
    - https://youtu.be/XAtOByOhjAg?si=q6_6PBLqrm6UxjeO
    - https://youtube.com/playlist?list=PLIolFUWzABBkLRjhKdqdesWIa9dsAAFuh&si=g9XMjMna_wVFceI3
- **Website Link:** https://sat.chasedream.edu.vn , https://sat.figogroup.vn

FPT Sofware - Backend Developer Internship   Dec 2024 - Jul 2025

Developed and maintained backend API services for a $10 million automotive startup in the Japanese market. Gained hands-on experience in deploying and troubleshooting applications on AWS, utilizing services such as Lambda, EC2, ECS, RDS, S3 and CloudWatch

- **Technology:** Python, Fast API, AWS (EC2, ECS, Lambda, RDS, IAM), Elasticsearch, Microservices, Docker
- **Skills and Competencies Gained:** Practical experience in the full development workflow, covering requirement analysis, task estimation and reporting, Git flow and code review, CI/CD pipelines, daily stand-ups, deployment, monitoring, and continuous improvement within an Agile/Scrum environment.

PROJECT

Metro Ticket System   May 2025 - June 2025

Developed a metro ticketing system that enables users in Ho Chi Minh City to seamlessly purchase and manage MRT tickets through mobile application.

- **Position:** Full-Stack Developer - Team Leader
- Team Size: 5
- **Technology:**
  - **Frontend:** ReactJS, React Native, Bootstrap, Ant Design, Redux Toolkit, Redux Thunk, Axios (Interceptor)
  - **Backend:** Spring Boot,RESTful API, Microservices, MySQL, Kafka
- **Role & Responsibility:**
  - Led a team of 5 members, coordinated team tasks, conducted code reviews.
  - Designed the system architecture and implemented CI/CD pipelines .
  - Implemented the frontend admin portal for managing tickets, price, routes, stations, and users.
  - Developed backend APIs for authentication, ticketing, reporting, and pricing (via API Gateway).
- **GitHub:**
  - https://github.com/anhtu2808/Metro-Backend
  - https://github.com/anhtu2808/Metro-Admin
  - https://github.com/anhtu2808/Metro-Mobile
- **Live Demo:**
  - https://metro.anhtudev.works
  - https://backend-metro.anhtudev.works/webjars/swagger-ui/index.html
- **Video Demo:** https://www.youtube.com/playlist?list=PLlolFUWzABBn56QjcVsYl5H4e6DBpEp0h

Koi Veterinarian System   Sep 2024 - Nov 2024

A web application developed as a course project, designed for managing Koi fish veterinary services. The system includes features such as customer appointment booking, treatment scheduling, and pond health tracking. It enables veterinarians to efficiently manage their schedules while providing customers with a seamless experience to access services.

- **Position:** Full-Stack Developer - Team Leader
- **Team Size:** 5
- **Technology:**
  - **Frontend:** ReactJS, Bootstrap, Ant Design, Redux Toolkit, Redux Thunk, Axios (Interceptor)**.**
  - **Backend:** Spring Boot, RestfulAPI, MySQL, Spring Security (JWT)
  - **Integration:** AWS S3, Google Login, MoMo, VNPay.
- **Role & Responsibility:**
  - Led a team of 5 in developing the Koi Veterinarian System, applying Scrum methodologies to manage tasks and ensure timely delivery of project milestones.
  - Built features for booking, schedule management, appointment tracking, and user authentication (Google Login)
  - Designed and implemented systems for managing pond and koi information, user accounts, services, and treatment records
  - Integrated AWS S3 for secure image storage.
  - Configured CI/CD pipelines with GitHub Actions for automated deployment.
- **Skills and Competencies Gained:** Front-end development, AWS S3 & Google Auth integration, problem-solving, communication, leadership, time management, Scrum methodologies, writing SRD, CI/CD Pipeline.
- **GitHub:** https://github.com/anhtu2808/Koi-Veterinary-Service-Center
- **Video Demo:** https://www.youtube.com/watch?v=sSDgWOXnOhg