Phuong Dang

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EDUCATION

HCMC University of Technology and Education   Ho Chi Minh City, VN
B.E. in Information Technology, Specialization in Software Engineering   *Sept 2021 – Present*
- GPA: 3.23
- Relevant coursework: Data Structures and Algorithms, Web Programming, Artificial Intelligence, Object-Oriented Software Engineering, Software Design Patterns

EXPERIENCE

Undergraduate Projects Leader   Sept 2021 – Present
HCMC University of Technology and Education   *Ho Chi Minh City, VN*
- Led **4** software development projects with teams of **2-4** students, achieving grades ranging from **B+ to A+** through effective collaboration and technical execution.
- Collaborated with professors to clarify project requirements, ensuring alignment with academic expectations and deliverables.
- Conducted **requirement analysis** to define project scope, prioritize tasks, and allocate resources efficiently.
- Managed project timelines and deadlines, ensuring on-time delivery of high-quality software solutions.

PROJECTS

Connector - Social Media Web Application (In Progress)   Jan 2025 – Present
Frontend Development �? git | *Next.js, React, Tailwind CSS, Radix UI, Vercel*
- Developed the user interface for a social media platform using Next.js, React, and Tailwind CSS, focusing on a responsive and intuitive user experience.
- Implemented key features such as user authentication, posts and nested replies creation/editing.
- Integrated with the FastAPI backend using RESTful APIs for data fetching and manipulation.
- Setup the deployment using Vercel with Cloudflare custom domain DNS.

Backend Development �? git | *FastAPI, SQLAlchemy, PostgreSQL, Redis, Docker, GitHub Actions, AWS, nginx*
- Designed a **RESTful APIs** with FastAPI, handling user authentication, CRUD operations, and data validation.
- Implemented passwordless user authentication using email magic links and **JWT (JSON Web Tokens)**.
- Configured user session management with Redis and secure cookie-based sessions.
- Setup the deployment using Docker and **AWS EC2** with HTTPS-integrated (Let's Encrypt and Certbot) nginx reverse proxy, ensuring high availability and scalability.
- Integrated GitHub Actions for automating build, tag, and push Docker images to **AWS ECR**.

Personal Portfolio �? git | *Next.js, React, GitHub Actions, GitHub Pages*   Feb 2025 – Feb 2025
- Developed a personal portfolio website using Next.js to showcase software engineering projects and skills.
- Adapted and customized a design concept from an existing portfolio, demonstrating ability to learn from and implement existing UI/UX patterns.
- Integrated GitHub Actions for continuous integration and deployment (CI/CD) to GitHub Pages, automating the build and deployment process.

TECHNICAL SKILLS

Languages: JavaScript/Typescript, Python, SQL, HTML/CSS
Frameworks: Next.js, React, FastAPI, Node.js
Developer Tools: Git, GitHub Actions, Docker, Amazon Web Services, nginx, PostgreSQL, Redis, GitHub Copilot
Libraries: Tailwind CSS, Radix UI, SQLAlchemy