

PHAM THAI SON

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Summary

Third-year Information Systems student at **UIT-VNUHCM** (GPA: 8.6/10) with a solid academic foundation and a strong focus on **Backend Engineering and Distributed Systems**. I have practical experience in building scalable applications using **ASP.NET Core and Node.js**, with a focus on applying Clean Architecture principles, robust API design, and database optimization. My technical background is complemented by a proactive approach to DevOps methodologies and Cloud-native tools like **Azure and Kubernetes**, aimed at ensuring resilient software delivery lifecycles. Having contributed to international research at **EACL and CLEF 2026**, I bring a rigorous analytical mindset to solving complex engineering challenges. I am highly motivated to bridge the gap between academic theory and industry practice, seeking a Software Engineer internship to contribute to high-quality products while further maturing my craft.

Education

University of Information Technology – VNU-HCM

Sep. 2023 – Dec. 2026 (Exp.)

Bachelor of Science in Information Systems — GPA: **8.6/10**

Ho Chi Minh City, Vietnam

- **Honors:** Recipient of Academic Excellence Scholarship (2024); Ranked in Top 5% of the department.
- **Relevant Coursework:** Distributed Database (9.5), OLAP & Data Warehousing (9.5), Network Security (9.3), Web Application Development (9.2), Database Management Systems (9.0).

Technical Skills

Languages: C# (.NET 9/10), JavaScript/Node.js, SQL, Python, Dart (Flutter).
Backend & APIs: ASP.NET Core, Express.js, Clean Architecture, REST API, gRPC, SignalR, JWT.
Databases: PostgreSQL, MongoDB, Redis, Supabase, OLAP/MDX.
Tools & Cloud: Docker, Kubernetes (AKS), Azure, Terraform, Jenkins, GitHub Actions, RabbitMQ.

Projects

Social Networking Platform [Repo] | *ASP.NET Core · Flutter · PostgreSQL · Redis · RabbitMQ*

- **Backend Development:** Implemented 5 microservices (Identity, User, Post, Friend, Message) applying **Clean Architecture** to practice decoupling and service independence.
- **Problem Solving:** Integrated **Redis** as a distributed cache to persist SignalR WebSocket mappings, successfully resolving real-time messaging state loss on service restarts.
- **Communication:** Utilized **gRPC** for efficient internal queries and **RabbitMQ** for asynchronous notifications, gaining hands-on experience in distributed system communication.
- **Deployment:** Built and managed CI/CD pipelines via GitHub Actions to automate Docker image tagging and deployment to a production VPS environment.

Cloud-Native E-Commerce Platform [Repo] · *haadtech.shop | Node.js · Azure AKS · Terraform*

- **Infrastructure:** Provisioned Azure resources (AKS, ACR, Key Vault) using **Terraform IaC** to support a 3-service backend with an integrated AI chatbot (LLaMA3).
- **High Availability:** Researched and implemented a **Blue-Green Deployment** strategy on Kubernetes to minimize downtime and practiced automated rollback procedures.
- **Security:** Managed secrets via **Azure Key Vault** and Managed Identities to ensure best practices in credential security and avoid hardcoded sensitive data.

Intelligent Library Management System [Repo] · *library-heaven.online | Node.js · Supabase · Azure Container Apps*

- **API Design:** Developed 15+ RESTful modules with layered architecture for book management and fines, integrating an AI assistant for semantic search capabilities.
- **Security & CI/CD:** Implemented dual-token JWT authentication and optimized build times using path-specific GitHub Actions workflows for API and Frontend deployment.

Research & Competitions

First Author – CLEF 2026 | *Numerical Claim Fact-Checking with DeBERTa + LoRA*

2026

- Ranked **9th out of 30 international teams**. Developed a learning-to-rank system using hybrid loss functions to automate verification of numerical claims.

Co-author – EACL 2026 | *Arabic Medical Text Classification using AraBERT*

2026

- Published at the 19th EACL Conference. Fine-tuned AraBERT models for medical QA classification, ranking **13th** globally on the official leaderboard.

Honors & Languages

Languages: English (TOEIC 705, VSTEP B2) · Vietnamese (Native)
Activities: Member of **Prompter Squad**; Participated in Swin Hackathon 2026 and Datathon 2026.