Hoang. Tran Huu

Software Engineer

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Work Experience

Briswell, Software Engineer - FullStack *Vietnam, May. 2022 - Present*

- Participated in requirement analysis and development of core system features, ensuring stability and quality throughout the product lifecycle. Consistently adhered to **SOLID** principles to maintain scalability, resulting in cleaner architecture and easier long-term maintenance.
- Contributed to designing and implementing system architecture using AWS services and applying appropriate system design models for each project. Built and maintained **CI/CD pipelines** using GitHub Actions, automating the build–test–deploy workflow and improving overall development efficiency and reliability.
- Optimized database performance by improving **SQL query speed**, tuning indexes, analyzing query plans, and restructuring data, achieving a **70–90% faster query execution time**.
- Beyond monolithic architecture, researched and worked with microservices, **Domain-Driven Design (DDD)**, RabbitMQ, rate limiting, and designed repository/service layers with clear bounded context separation.
- Developed interactive and optimized user interfaces using **Vue 3** with seamless integration to backend APIs.
- Integrated third-party services such as Stripe, Google Maps API, ensuring secure and business-compliant operations.
- Collaborated effectively with COM, and QA teams following the process to ensure delivery quality and consistency.
- Created and maintained technical documentation, proposed system improvements, and supported onboarding for new team members.
- Tech Stacks: Laravel, CakePHP, NodeJS, NestJS, Vue3, AWS.

Skills

- **Programming languages**: PHP, JavaScript/TypeScript
- **Technologies**:
  - **Backend**: Laravel, CakePHP, NodeJS, NestJS
  - **Frontend**: Vue 3
  - **Databases**: MySQL, PostgreSQL
  - **Cloud & DevOps**: AWS (EC2, ECS, ECR, S3), Docker, Linux
  - **UI Libraries**: headlessui, tailwindcss
- **Others**: Git

Education

Ho Chi Minh Open University *Vietnam*

Bachelor's degree, Computer Science *Aug. 2019 - Aug. 2024*