

Hoang. Tran Huu

Software Engineer

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Work Experience

Briswell, Software Engineer - FullStack

Vietnam, May. 2022 - Present

- Participated in **upgrading programming language and framework versions**, such as migrating PHP from 5.x to 8.x. This involved identifying deprecated features, analyzing replacement options, and assessing impact levels. Achieved stable and bug-free operation in the production environment after migration.
- Optimized database performance by improving **SQL query speed**, tuning indexes, analyzing query plans, and restructuring data, achieving a **70–90% faster query execution time**.
- Contributed to the **system architecture** by analyzing and recommending suitable AWS services that balanced cost efficiency and performance requirements. Supported the team in designing the overall architecture and ensuring alignment with project goals.
- Developed reusable and scalable common components using **Vue 3** and applying the UI library to enhance consistency, increase reusability, and reduce development effort across multiple projects.
- 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.
- 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.
- Integrated third-party services such as Stripe, Google Maps API, ensuring secure and business-compliant operations.
- Improved the company's bug review process during project meetings by streamlining workflows, defining clearer review criteria, preparing pre-meeting summaries, and evaluating the impact level of each bug on the project. These enhancements reduced meeting time by 60–70% (from 1 hour to 20–25 minutes) while maintaining review quality and supporting better lessons learned for future projects.
- Created and maintained technical documentation, 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

Bachelor's degree, Computer Science

Vietnam

Aug. 2019 - Aug. 2024