Từ Quốc Khánh

Full-Stack Developer

November 05, 1998

Male

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SUMMARY

I am a web developer with nearly 4 years of experience in Laravel and over one year of experience with ReactJS and NextJS. I specialize in building scalable web applications, developing RESTful APIs, and optimizing queries and caching (Redis). Proficient in HTML, CSS, and JavaScript, I also have experience with Docker. With a passion for reliability and maintainability, I strive for continuous improvement and innovation.

Technical Skills:

- **Languages and Frameworks**: NodeJS, PHP, Laravel, NextJS, ReactJS, HTML, CSS, JavaScript, JQuery.
- **Databases**: MySQL, PostgreSQL, MongoDB
- **DevOps & Tools**: Docker, Redis, Elasticsearch, AWS (S3, CloudWatch, Lambda, Storage, CDN, ...), GitHub (GitHub Actions), GitLab (GitLab Runner), Jenkins.
- **AI Tools**: Cursor, GitHub Copilot.
- **Other Tools**: Herd, Nginx, DBnix, phpStorm, Swagger, Postman, ApiDog.

CAREER OBJECTIVE

With a strong foundation in software development, large-scale database management, system performance optimization, and practical experience in implementing complex technical solutions, my goal is to transition into a Project Management (PM) role. My objective is to lead technical teams throughout software development processes, optimizing resource allocation. I aim to enhance comprehensive project management skills, apply data-driven strategies, and leverage cutting-edge technology solutions.

EDUCATION

Major: Information Technology

09/2016 - 03/2022

Hanoi University of Civil Engineering

WORK EXPERIENCE

DEVELOPER

5/2022 - now

SECOMUS

Project: Affiliate Uppromote

Description: UpPromote is tailored to meet the needs of affiliate-driven growth for Shopify merchants. Created personalized programs with customizable commissions, automate tracking, and give affiliates the tools to succeed. Monitor performance with detailed reports and optimize your strategy to scale your affiliate & influencer marketing campaign and strengthen relationships. Our solution also helps brands build a customer loyalty & robust referral program to incentivize collabs with customers.

- Customize everything matching your brand: affiliate portal, link, sign-up page
- Display your referral programs with different formats (Check out our demo store)
- Seamlessly track referral orders via affiliate links, coupons, connected emails

- Motivate affiliates effectively: auto-discount, bonus, gifts, store credit, MLM
- Automate your affiliate program process: PayPal auto-pay, Auto-tier Commission

Role: Developer

Technologies Used: PHP (Laravel), Nginx, MySQL, MongoDB, Docker, Redis, GitLab Runner, Microservices Architecture, GitLab, SonarQube, Laravel Horizon, AWS SDK, Paypal SDK, Shopify GraphQL, Shopify API, Passport, Alige Scrum, Laravel excel, DomPDF

Third-party service: Mixpanel, customerIO, Mattermost,Google Analytics
Project ISSue Management: Backlog

Responsibilities:

1. Developed and maintained microservices for the Shopify Webhook system, including:
    - Order Tracking**:** Monitored paid and refunded orders.
    - Customer Creation**:** Automatically created affiliate accounts upon new customer registration.
2. Participated in developing the Affiliate Management System, including multi-level marketing (MLM) features with downline tracking, automated payment processing via Wise, and commission calculations based on webhook data.
3. Integrated analytics and reporting systems to provide detailed insights to affiliates and merchants, enabling effective performance and product analytics.
4. Designed and optimized MySQL and MongoDB database schemas for efficient data storage and retrieval, ensuring high performance.
5. Integrated third-party services including MailGun, PayPal, AWS S3, Klaviyo, Amazon CloudFront, etc., to enhance loading speed optimization and ensure efficient email delivery.
6. Developed advanced features to support merchants and affiliates, such as multi-currency support, bonus programs, tax reporting, and customizable email templates.
7. Strictly managed source code and development workflows using GitLab, conducted thorough code reviews, and implemented unit tests and debugging to ensure robust and maintainable software.
8. Utilized GitLab Runner to set up Continuous Deployment (CD) pipelines, automating software deployment processes.
9. Designed and developed scalable database architectures to effectively support application requirements, ensuring high scalability and performance.

DEVELOPER

2/2023 - now

SECOMUS

Project: UpPromote API (RESTful)

Description: UpPromote API is a RESTful backend system designed to support the affiliate marketing platform for Shopify merchants. The API provides microservices for managing affiliate programs, order tracking, payment processing, and performance analytics. The system is optimized for integration with modern frontend applications and third-party services, ensuring scalability and high performance.

Key Features:

- RESTful API endpoints for managing affiliates and merchants
- Real-time tracking and analytics via API
- Integration with automated payment gateways (PayPal, Wise)
- OAuth2 authentication system using Laravel Passport
- Microservices architecture for scalable deployment
- API-first approach supporting multiple platforms

Role: backend Developer.
Technologies Used: PHP (Laravel 8+), Laravel Passport (OAuth2), MySQL, MongoDB, Redis, Docker, GitLab Runner, Microservices Architecture, GitLab CI/CD, SonarQube, Laravel Horizon, AWS SDK, PayPal SDK, Wise SDK, Shopify GraphQL API, Laravel Excel, DomPDF, RESTful API Design.
Third-party Services: Mixpanel, CustomerIO, Mattermost, Google Analytics, AWS S3, CloudFront, MailGun, Klaviyo, Recharge, Bold Subscriptions
Project Management: Backlog, Agile Scrum.
Responsibilities:

1. Contributed to the development of RESTful APIs for the Shopify Webhook system:
    - Order Tracking API: monitored paid and refunded orders
    - Customer Creation API: Automatically created affiliate accounts upon new customer registration.
    - Integrated Shopify REST and GraphQL APIs to support
2. Built APIs for the Affiliate Management System:
    - Integrated automated payment gateways (PayPal, Wise)
    - Implemented endpoints to calculate commissions based on webhook data
3. Developed Analytics and Reporting APIs:
    - Created RESTful endpoints to generate detailed reports for affiliates and merchants
    - Integrated Mixpanel analytics API for product performance insights
    - Built optimized, real-time dashboard APIs
4. Designed and optimized database architecture for the API layer:
    - Designed MySQL and MongoDB schemas to support RESTful operations
    - Tuned queries and caching strategies for high-performance API responses
5. Integrated third-party services:
    - Connected to MailGun, PayPal, Wise, AWS S3, CloudFront, and Klaviyo via API
    - Implemented email notification workflows and payment processing
    - Optimized load times and automated email delivery
6. Developed advanced platform features:
    - Tax reporting and email template management APIs
    - OAuth2 authentication using Laravel Passport
7. Ensured code quality and CI/CD practices:
    - Managed source code in GitLab and conducted regular code reviews
    - Resolved N+1 query issues to optimize API response times
    - Monitored API performance with Redis caching and Laravel Horizon
8. Configured cron jobs for daily data processing and reporting

DEVELOPER

2/2023 - Present

SECOMUS

Project: UpPromote Frontend (React.js)
Description: UpPromote Frontend is a modern React.js application built to serve as the user interface for a Shopify-based affiliate marketing platform. It features deep integration with Shopify App Bridge, delivering an interactive dashboard, affiliate management tools and real-time analytics. The app is optimized for high performance using TypeScript, advanced state management, and a fully responsive UI/UX.
Key Features:

- Modern React.js dashboard with real-time analytics and reporting
- Shopify App Bridge integration for a seamless admin experience
- Interactive affiliate management with drag-and-drop interface
- Multi-language support and a responsive design system

- Real-time notifications
- Advanced form handling and data visualization

Role: Frontend Developer
Technologies Used: React.js 18, TypeScript, Vite, Redux Toolkit, React Query, Ant Design, Shopify App Bridge, Sass/SCSS, Socket.io, i18next, TinyMCE, Sentry, Firebase, GitLab CI/CD
Third-party Services: Sentry, Firebase, UserPilot, Microsoft Clarity, Google reCAPTCHA, Socket.io, CDN Integration
Project Management: GitLab Issues & CI/CD Pipeline
Responsibilities:

1. Developed reusable React.js base components (e.g., data tables) to maximize code reusability.
2. Used Context API to manage global state across multiple components.
3. Performed thorough code reviews and wrote debugging tests to ensure robust, maintainable software.
4. Measured performance with Lighthouse and optimized Cumulative Layout Shift (CLS).

DEVELOPER

05/2024 - Present

SECOMUS

Project : UpPromote Marketplace (RESTful)
Description: UpPromote Marketplace is a backend RESTful API system and portal for creating an affiliate marketplace—a platform where affiliates can browse, search for, and enroll in merchants' marketing programs. The application supports the complete flow from campaign management and merchant onboarding to automatic commission calculation and payout.
Role: Backend Developer
Technologies Used: PHP (Laravel 8+), Laravel Passport (OAuth2), MySQL, MongoDB, Redis, Docker, GitLab Runner, Microservices Architecture, GitLab CI/CD, SonarQube, Laravel Horizon, AWS SDK, Laravel Excel, DomPDF, RESTful API Design.
Project Management: Backlog, Agile Scrum.
Responsibilities:

1. Developed core affiliate-marketplace API endpoints and configured Laravel Passport for OAuth 2.0 authentication.
2. Performed thorough code reviews and wrote optimized, maintainable code following best practices.
3. Implemented Redis caching and MongoDB data stores to accelerate data retrieval and reduce API latency.
4. Built and tracked click-tracking and analytics features to deliver visual insights for clients.
5. Set up cron jobs and scheduled tasks for batch email dispatches and processing large datasets.
6. Engineered multi-currency support allowing seamless currency conversion across the platform.
7. Created services to calculate total commissions per brand accurately.

DEVELOPER

05/2024 - Present

SECOMUS

Project : UpPromote Marketplace Frontend (NextJs)
Description: UpPromote Marketplace Account Frontend is a modern Next.js 14 application built to provide the user interface for UpPromote's affiliate marketplace platform. The app fully integrates with the backend system to deliver an interactive dashboard, affiliate marketing management, and real-time analytics. It's optimized for high performance with TypeScript, complex state management, and a responsive, multi-language UI/UX.

Key Features:

- Modern Next.js dashboard with real-time analytics
- Affiliate management with drag-and-drop interface
- Multi-language support (19 languages)
- Commission tracking
- Advanced form handling
- Data visualization using Highcharts

Role: Frontend Developer
Technologies Used: Next.js 14, React 18, TypeScript, Redux Toolkit, React Query, Ant Design, SCSS, React Hook Form, Yup, Froala WYSIWYG, Highcharts, @dnd-kit, Google reCAPTCHA, i18next
Third-party Services: UpPromote CDN, Google reCAPTCHA, Crisp Chat, Froala Editor
Responsibilities:

1. Developed reusable base components in Next.js (e.g., DataTable) to maximize code reuse.
2. Employed React Query and Context API to manage global state across multiple components.
3. Conducted thorough code reviews, and performed debugging to ensure robust, maintainable software.
4. Measured performance with Lighthouse and optimized Core Web Vitals.
5. Built foundational React Query services to consume the UpPromote backend API.
6. Implemented i18n support for 19 languages and optimized the responsive design.

DEVELOPER

5/2022 - 10/2022

SECOMUS

Project: UpPromote Report
Description: UpPromote Report is a management and monitoring system that provides detailed insights into customers using the UpPromote Affiliate app. It tracks daily installs, total charges, uninstalls, exports data to Excel, downgrades to the free plan, churn statistics and details, feature-usage reports per shop, click counts & ratings, fraud protection metrics, quick-start customer analytics, and supports product-team updates. It also imports all necessary translations to support multi-language affiliate content, offers tool-support features for order checking, recommended-item management, custom-domain support, PayPal logging, and bulk data import (e.g., affiliates, referrals) for merchants.
Role: Backend Developer
Technologies Used: PHP (Laravel 7+), MySQL, MongoDB, Redis, Docker, GitLab Runner, Microservices Architecture, GitLab CI/CD, Laravel Excel, DomPDF.
Project Management: Backlog, Agile Scrum.
Responsibilities:

1. Performed in-depth code reviews, wrote unit and integration tests, and executed debugging to ensure robust, maintainable software.
2. Developed and extended features to provide optimal support for customer needs, including data export, tool-support utilities, and translation imports.

DEVELOPER

1/2025 - Present

SECOMUS

Project: UpPromote Payout
Description: UpPromote Payout is an affiliate commission payment processing system that automates international payouts through Wise API

integration. It handles multi-currency transactions, bulk payment processing, and provides comprehensive logging for the UpPromote Affiliate platform.
Role: Backend Developer
Technologies Used: PHP (Laravel 12), MySQL, Redis, Wise API, Docker, GitLab CI/CD.
Project Management: Agile Scrum.
Responsibilities:

- Developed core payout processing features with Wise API integration for international money transfers.
- Implemented service-oriented architecture for affiliate management and payment processing.

DEVELOPER
1/2022 - 5/2022

ITPLUS

Project: ProEnglish Academy
Description: A website that allows users to purchase and take online courses, review course quality, and pay online via VNPAY. On the admin side, it supports adding, editing, and deleting courses and course videos, as well as managing administrator roles and permissions. A complete, end-to-end online education system.
Role: Developer
Technologies Used: PHP (Laravel), Nginx, MySQL, Docker, Laravel Permission
Responsibilities:

1. Implemented a clear modular architecture using nWidart/laravel-modules and configured role-based access control across the system.
2. Conducted in-depth code reviews, authored automated tests, and performed debugging to ensure robust, maintainable software.

SKILLS

Programming and Software Developement Skills

1. Programming Languages: PHP, JavaScript(occasional use), Nodejs (occasional use) Frameworks: Laravel, Reactjs (occasional use), Nextjs (occasional use)
2. Database: MySQL, PostgreSQL (occasional use), MongoDB (occasional use)
3. AI : Cursor, Github Copilot, Trea, Windsurf
4. Caching, storage & job : Redis
5. Web serve & Load Balancing : Nginx
6. Other: Supabase

Database Management:

1. Big Data Querying: Writing and optimize queries for large data processing (insert, update, delete)
2. Data Migration: Migrating and synchronizing data between different databases.

Development Tools and Processes:

1. Source Control: GitLab, GitHub AWS: Expertise in Amazon EKS (Elastic Kubernetes Service), ECS (Elastic Container Service), EC2 (Elastic Compute Cloud), S3 (Simple Storage Service), WAF (Web Application Firewall), ALB (Application Load Balancer)
2. Continuous Deployment: GitLab Runner, GitHub Actions
3. Containerization: Docker (writing Dockerfiles for PHP projects), 1. Cloud Monitoring: AWS CloudWatch

Languages

- Vietnamese (Native)
- English (Intermediate - Able to communicate in a professional setting, read technical documents, and write emails/documents in English)

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