

NGUYỄN TRỌNG KHÁNH

Fullstack Developer

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SUMMARY

Full Stack Developer with experience building production applications in fintech and e-commerce. Skilled in Node.js, TypeScript, React, REST APIs, GraphQL, PostgreSQL, and MongoDB. Experienced in banking system integration, technical documentation, and using AI tools to support development and improve work efficiency.

WORK EXPERIENCE

JITS Innovation Labs – Fullstack Developer

Mar 2026 - Present

- Analyzed business requirements, designed technical solutions, and authored Solution Architecture documentation covering system architecture, integration flows, and technical specifications.
- Established AI-assisted development workflows for the team through project baselines, knowledge bases, and custom Model Context Protocol (MCP) tools.

Project: BNF Corporate Digital Banking Platform

Corporate Digital Banking platform for Banco do Nosso Futuro (BNF): corporate onboarding, account management, fund transfers, and approval workflows.

- Developed end-to-end corporate banking web features using Next.js, React, and Sails.js, and built backend APIs for mobile banking applications covering fund transfers, bulk payments, payroll, bill payments, and account management.
 - Built RESTful APIs and configurable multi-level approval workflows with maker-checker controls, integrating T24 Core Banking and external payment services through Node-RED and WSO2 Micro Integrator.
 - Implemented secure banking operations using AWS KMS, S3 presigned URLs, brute-force protection, and blacklist/AML checks.
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AGAPI SAAS COMMERCE – Fullstack Developer

Apr 2025 - Mar 2026

Shopify app development: production apps published on the Shopify App Store.

- Built and maintained production Shopify apps using Node.js, React (Remix), and RESTful APIs, with Shopify REST and GraphQL APIs to sync product, order, and store data.
- Designed and optimized MongoDB and PostgreSQL schemas to speed up queries and keep data consistent.
- Kept apps stable by debugging, refactoring, tuning performance, and fixing production issues.

Project: Snap: B2B Wholesale Pricing

- Implemented tax display logic to dynamically calculate and present prices before and after tax based on country, collection, and customer tags, supporting flexible B2B pricing models.
- Developed a configurable unit pricing system (e.g., kg, lb) at both variant and collection levels to enable advanced wholesale strategies.
- Designed and implemented backend pricing rules to ensure accurate real-time calculations across storefront views.

URL: <https://apps.shopify.com/snap-b2b-wholesale-pricing>

Project: Snap Cart Drawer Progress Bar

- Developed and maintained core application features, ensuring system stability in production environments.
- Enhanced upsell mechanisms including Product Add-Ons and Reward Bars to improve user experience and conversion flow.
- Diagnosed and resolved production issues while providing technical support and tailored solutions for merchants.

URL: <https://apps.shopify.com/snap-cart-drawer-cart-upsell>

SKILLS

Technical Skills

- **Backend:** Node.js, Sails.js, Express, NestJS, RESTful APIs, GraphQL
- **Frontend:** React.js, Next.js, Remix
- **Database & Messaging:** PostgreSQL, MongoDB, Redis, BullMQ
- **DevOps & Tools:** Docker, Git, GitHub, GitLab, CI/CD, Postman, Kibana

Soft Skills

- **AI-assisted Development:** Able to use AI coding tools, project knowledge bases, and MCP tools to support coding, debugging, documentation, and technical research.
 - **AI Workflow Design:** Able to write clear prompts, prepare useful context, and build reusable AI workflows for daily development work.
 - **Agile Collaboration:** Experienced in Agile/Scrum teamwork, requirements analysis, and technical communication.
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EDUCATION

FPT Polytechnic College, Hanoi, Vietnam
Web Development

Aug 2023 - Sep 2025
GPA: 3.75