

# Vu Chi Cong

Full-Stack Developer

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## SUMMARY

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6+ years of experience in web and mobile development with Node.js, React, and Next.js, focusing on optimizing backend processes, enhancing UI/UX, and collaborating with cross-functional teams in product development. Experienced in working on various application models, from startups to mid-sized and large-scale projects.

## SKILLS

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<b>Programming Languages</b>	TypeScript, JavaScript, .Net Core.
<b>Frontend Development</b>	React.js, React Native, Next.js, Tailwind CSS, Mobile-First, Responsive Design.
<b>Backend Development</b>	Node.js, Express.js.
<b>Databases</b>	MongoDB, MySQL, Redis.
<b>Tools &amp; Platform</b>	Docker, Heroku, Vercel, AWS.
<b>Languages</b>	English (Intermediate), Vietnamese (Native)

## WORK EXPERIENCE

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### GK-Team (Freelance)

Feb 2023 - Present

Full-Stack Developer

Collaborated with clients in Vietnam and the United States to deliver scalable web and mobile applications.

Domains: Blockchain (ICO), Fitness.

- Achieved 78+% productivity in a fully remote environment, contributed to successful delivery of 5+ projects.
- Built and optimized backend services using Node.js, PostgreSQL and MongoDB, while also contributing to .NET Core projects using Entity Framework.
- Implemented solidity-based purchase systems, successfully deploying 3+ projects.
- Developed responsive, mobile-first landing pages from Figma designs, focusing on mobile-first design and aligning closely with client requirements.
- Provided client support to ensure system reliability and timely issue resolution, quickly addressing concerns.
- Developed mobile applications using Expo, authored technical docs, and implemented CI/CD on Azure, improving deployment efficiency and reliability.
- Architected a chat widget for shopify stores using Node.js, React.js, and AWS.

Technical Stack: Node.js, .Net Core, MongoDB, React, Next.js, Solidity, Docker, Vercel, Shopify.

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### Roshi - Singapore's Loan Marketplace

Apr 2025 - Jul 2025

Full-Stack Developer

A Singapore-based fintech startup connecting borrowers with lenders through a digital lending platform.

Domains: Fintech

- Participated in the development of core web applications with integrated Role-Based Access Control (RBAC) for admin, borrower, and lender.
- Built a tool to fetch CVs from the HR platform and use ChatGPT and Gemini to parse and scope key profile data, syncing results to Google Sheets.
- Forked the Singapore version to build a localized Vietnamese version with redesigned UI and adapted loan workflows.
- Used the existing React codebase with CapacitorJS to build and deploy a cross-platform mobile app for Android and iOS.

Technical Stack: Node.js, Prisma, React.

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## Bright Software Solution

Jul 2019 - Feb 2023

Full-Stack Developer

Collaborated with clients across Sweden, India, and Europe to deliver reliable web and mobile solutions.

Domains: Education, Project Management.

- Conducted code reviews, built foundations for 5+ projects, mentored interns during development, and participated in 10+ projects.
- Designed and maintained a mobile app for teachers to manage students and classes, along with a custom CMS for employee and session management, with 15+ teachers actively using the apps.
- Developed real-time web and mobile apps to enhance student-teacher interaction, which were also utilized for daily team meetings during the development phase.
- Worked on .NET Core for various backend tasks and contributed to developing 3+ projects before transitioning to Node.js, where I expanded my backend development skills.
- Partnered onsite with client companies for six months and contributed to 2 major app deployments.

Technical Stack: Node.js, .Net Core, MsSQL, React, React Native, Docker, AWS(EC2).

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## Rabiloo Co., Ltd

Mar 2018 - May 2019

Fresher Mobile Developer

Collaborated with Japanese clients to deliver high-quality mobile solutions.

Domains: Service Industry.

- Developed a cleaner booking app featuring payment processing, real-time chat, and location-based services with map integration.
- Worked closely with design and testing teams to ensure seamless functionality and an optimal user experience.
- Gained backend experience by contributing to small backend tasks, supporting the backend development alongside the team.

Technical Stack: React Native.

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## EDUCATION

### ITPlus Academy

Aug 2016 - Mar 2018

Software development course for website and mobile application development

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## PARTICIPATED PROJECTS

### Shopify Chat Widget

A chat widget for a Shopify store with an AI model that helps customers find what they want.

**Team Composition:** 1

**My Responsibility:** (Full-Stack)

- Built the system using Node.js, React for the widget and Next.js for the admin dashboard.
- Implemented CI/CD pipelines using GitHub Actions to deploy backend services to AWS EC2 and automatically build and upload widget assets to S3.
- Synchronized data from a MySQL container running on AWS EC2 into DynamoDB for consumption by the AI model, which is handled on the client side.

**Achievements:**

- Trained the client on usage, deployment, and maintenance to enable smooth handover and minimize support.

**Technical Stack:** React, Node.js.

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### **Roshi** (Singapore's Loan Marketplace)

A platform that connects borrowers with lenders to simplify and streamline the lending process.

**Team Composition:** 6 (Developers, Designer and QA)

**My Responsibility:** (Full-Stack)

- Maintained and improved UI/UX web applications for admin, borrower, and lender.
- Implemented end-to-end tests using Playwright to validate core application flows (e.g., loan application), and integrated them into GitHub Actions for automated testing in CI/CD.
- Created a Vietnamese localized version of the platform with a redesigned UI and updated applying workflows based on local market needs.
- Reused the existing React web codebase with CapacitorJS to build a cross-platform mobile app for both Android and iOS.

**Achievements:**

- Quickly onboarded and contributed to the production codebase.
- Resolved UI issues and fixed bugs across role-based dashboards to improve UI/UX consistency.

**Technical Stack:** React, Node.js, Prisma, Capacitorjs.

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### **Blockchain Project** (ICO Token)

Built a platform to facilitate token pre-sales, integrating blockchain technology and third-party services for efficient and user-friendly digital asset management.

**Team Composition:** 2 (1 Developer and 1 Designer)

**My Responsibility:** (Full-Stack)

- Smart Contract Integration: Designed and implemented smart contracts for presale token purchases.
- Full-Stack Development: Developed a landing page, client dashboard, and admin dashboard using React. Built a Node.js backend server to manage operations, supporting over 4,000 users.
- Supported the pre-sale process, helping the platform raise over \$300,000 in funds.

**Achievements:**

- Quickly adapted to blockchain's fast-paced environment, ensuring smart contracts were thoroughly tested before deployment.
- Provided responsive customer support, assisting users with their needs.

**Technical Stack:** React, Node.js, Solidity.

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### **Fitness Mobile Application** (A personalized workout app)

A mobile app designed to deliver personalized workout courses tailored to specific muscle groups.

**Team Composition:** 4 (PM, Designer, Backend, and me (Frontend))

**My Responsibility:** (Focus: Frontend, Support: Backend)

- Frontend Development: Developed the mobile UI to enhance UX, implemented OAuth2 authentication with Azure and integrated a custom login/signup template for Azure authentication.
- Backend Integration: Collaborated with the backend team to ensure seamless API integration. Supported and contributed to writing CRUD operations for content management.
- Azure API Research: Researched Azure Portal APIs, authored detailed integration documents for the team, and implemented Azure Pipelines to reduce deployment time.

**Achievements:**

- Gained experience in following a structured development process to ensure accuracy and efficiency.
- Contributed to writing documentation and researching Azure APIs, improving backend processes.
- Implemented Azure Pipelines, reducing deployment time and increasing workflow efficiency.

**Technical Stack:** React Native, Expo Go, Azure Portal, Azure Pipelines.

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### **GrapeSEED Connect** (Stream Learning Platform)

An online platform designed to enhance student-teacher interaction through real-time video streaming, improving the overall online learning experience.

**Team Composition:** 3 (React Native, 1 QA).

**My Responsibility:** (Focus: Frontend, Support: Backend)

- Frontend Development: Led the frontend development using React Native and Vue, focusing on UI/UX and real-time video streaming feature. Made sure web and mobile work smoothly together.
- Backend Contribution: Collaborated with client's backend team to contribute for BE real-time features.

**Achievements:**

- Improved cross-company collaboration by working with different teams to streamline workflows.
- Enhanced real-time video streaming experience for students and teachers using Agora SDK and Zoom SDK.

**Technical Stack:** Vue, React Native, Agora SDK, Zoom SDK, .NET Core.

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### **Work Management** (Projects Management)

Managed software projects, overseeing tasks, processes, and deliverables.

**Team Composition:** Size: 3+ (Backend, Frontend & Mobile, QA).

**My Responsibility:** (Full-Stack)

- Project Lifecycle Management: Coordinated team members through all phases of the project lifecycle, including planning, development, and deployment.
- Frontend and Mobile Development: Contributed to frontend and mobile development, implementing key features and ensuring smooth UX.
- Collaboration: Worked closely with backend developers and QA teams, providing support where necessary to maintain quality and meet deadlines.

**Achievements:**

- Independently managed various aspects of development, gaining a broad understanding of the full software development process.

**Technical Stack:** React, React Native, Groovy.

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### **Dance School** (School Management)

A comprehensive school management system designed to efficiently manage classrooms, students, schedules, and includes reminder functionalities.

**Team Composition:** 4+ (QA, Full-Stack, Frontend, and Mobile).

**My Responsibility:** (Focus: Backend, Support: Frontend)

- API Development: Implemented authentication and data management with Entity Framework.
- Frontend Support: Assisted frontend developers as needed, helping with frontend-related tasks and resolving any issues.

**Achievements:**

- Started as a frontend developer and transitioned into a full-stack developer, taking on key responsibilities and gaining valuable experience.

**Technical Stack:** React, React Native, .NET Core.

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### **Miles At Sea** (Travel Tracking)

An app for tracking travel distance and earning rewards through quest completion.

**Team Composition:** 2 (both are Full-Stack).

**My Responsibility:** (Frontend)

- Google Maps Integration: Integrated the Google Maps API to enable distance tracking functionality within the application.
- Mobile UI Development: Developed and implemented the mobile UI to ensure a functional user experience.

### **Achievements:**

- Successfully integrated the distance tracking API and developed the mobile UI.
- Learned the importance of testing and using mocks to ensure reliability.

**Technical Stack:** React Native, Google Maps API.

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### **Osouji** (Cleaner Booking)

A job marketplace focused on services related to house cleaning and hotels, integrating payment systems and providing directions for seamless transactions.

**Team Composition:** 7+ (PM, Designer, 2 Backend, 2 Frontend, QA).

### **My Responsibility:** (Frontend)

- Mobile Development: Built the job marketplace UI based on Figma designs.
- Backend Integration: Assisted in backend tasks by collaborating with backend developers to ensure seamless integration between mobile UI and core features.

### **Achievements:**

- Successfully implemented the mobile UI based on Figma designs, ensuring a smooth user experience.
- Gained valuable knowledge as a mobile developer, learning best practices from my mentor.

**Technical Stack:** React Native.

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### **Vio Studio** (Event Information Platform)

A platform aimed at providing students with information about current and upcoming events in their vicinity.

**Team Composition:** 6 (PM, Designer, 2 Backend, 2 Frontend).

### **My Responsibility:** (Frontend)

- Frontend Development: Created the frontend web application following Figma designs, ensuring a functional and responsive user experience.
- Frontend Management: Managed frontend tasks, including task allocation and progress tracking.

### **Achievements:**

- Collaborated closely with the client to define the solution and align development goals.
- Managed frontend development and coordinated with freelancers to ensure timely project completion.

**Technical Stack:** React, Django.

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## **SIDE PROJECTS**

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### **Personal Portfolio Website**

A responsive portfolio website built with React and Tailwind CSS, showcasing my projects and skills. Designed to deliver a smooth user experience on both desktop and mobile devices.

### **Achievements:**

- Achieved a Performance score of over 90 on Google PageSpeed Insights.

### **Main Features:** (Frontend)

- Responsive Design: Optimized for all screen sizes with Tailwind CSS, providing an engaging experience on both desktop and mobile.
- Deployed with Vercel: Hosted on Vercel with automatic updates on every Git commit.

**Objective:** Created a responsive and visually appealing website to showcase my projects, skills, and experience.

**Technical Stack:** React, Tailwind CSS, Shadcn.

**Source:** [github.com/cngvc/joes-portfolio](https://github.com/cngvc/joes-portfolio) — [cngvc.com](https://cngvc.com)

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### **MEME Network** (Presale Token on Sepolia Testnet)

A decentralized application (DApp) that combines a React frontend with a smart contract using Solidity, allowing users to interact with the Ethereum blockchain.

**Main Features:** (Full-Stack)

- Smart Contract Development: Created using Hardhat, enabling deployment and testing on the Ethereum network.
- Blockchain Interaction: Users can interact with smart contract functions directly from the React frontend.
- Wallet Connection: Integrates Rainbow to connect MetaMask for user authentication and transaction handling.
- Testnet Support: Allows users to make presale transactions through the Sepolia testnet.
- Objective: Developed a full-stack web3 application integrating React with smart contracts using Hardhat and wallet connectivity.

**Objective:** Developed a full-stack web3 application integrating React with smart contracts using Hardhat and wallet connectivity.

**Technical Stack:** React, Tailwind CSS, Solidity, Hardhat, Rainbow, Ethers.js.

**Source:** [github.com/cngvc/simple-token-presale](https://github.com/cngvc/simple-token-presale) — [meme-network.congvc.com](https://meme-network.congvc.com)

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### **The Shopi** (Scalable e-commerce platform with microservices architecture)

An e-commerce platform built with a microservices architecture. It is designed to handle essential workflows such as user authentication, product management, cart operations, order processing, and real-time communication.

The project is powered entirely by Node.js, with a hybrid API Gateway that uses HTTP for client-facing requests and gRPC for service-to-service communication.

#### **Main Features:** (Focus: Backend)

- Microservices Architecture: Separate services for features communicating via gRPC and RabbitMQ. Containerized with Docker for deployment flexibility.
- Authentication: Supports OAuth (GitHub SSO) and email-password authentication with JWT, Key-Token, Fingerprint, and RBAC for secure multi-device refresh tokens.
- High performance Search: Utilizes Elasticsearch for fast object searching, syncing data whenever a new object is added/updated.
- Real-time Communication: A Socket service handles connections for chat and presence status.
- Asynchronous Event Handling: RabbitMQ for handling events like object create/updates, authentication requirements, and payment confirmations, etc.
- Modern Frontend: Built with Next.js and Shadcn/ui for SSR and a flexible, customizable component system.

#### **Technical Stack:**

- Backend: Node.js, Express.js, TypeORM, Elasticsearch.
- Frontend: Next.js, Shadcn.
- Database: MongoDB, MySQL, Redis.
- Messaging: RabbitMQ, gRPC.
- Infrastructure: Docker, K8s.

**Objective:** Build a scalable e-commerce system with microservices architecture, as a way to gain experience with large projects due to limited time working on them in a job. Future enhancements will include GraphQL, a Recommendation System, Load Balancing, ELS Stack, CI/CD with Kubernetes and Jenkins, and a fully developed frontend.

**Source:** [github.com/cngvc/theshopi](https://github.com/cngvc/theshopi)