

Nguyen Bui Duy Phong – Full Stack Software Engineer
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SUMMARY

I'm a Full Stack Software Engineer with more 4 years of experience in Web and Mobile Development. I have experience working with JavaScript/TypeScript and Node-related Frameworks. With my knowledge of backend/frontend development and UI/UX design, I enjoy solving technical problems and creating quality apps for users. I also spend time learning new technologies and best practices to become a better engineer.

TECHNICAL SKILLS

Programming Languages: JavaScript & TypeScript

Frontend Development:

- JavaScript (ES6+)/TypeScript, React.js, Next.js, React Native, Webpack/Babel, Vite
- HTML5, CSS3, SASS/LESS, Material-UI, Ant Design, Tailwind, React Native UI toolkit
- Microservices Frontend, Canvas/GSAP animation

Backend Development:

- Node.js Frameworks, Express.js, Nest.js
- Automation/Crawl-data/Headless development, Puppeteer, Playwright
- RESTful API, JWT, OAuth 2.0, Keycloak, 3rd-party Integrations

Database Management Systems: MongoDB, Redis, PostgreSQL, MySQL

Cloud & Tooling: Amazon Web Services, Docker, Jenkins, Heroku, Netlify, Vercel

Workflow Tools: Github, GitLab, Jira, Bitbucket, Figma, Zeplin,...

PROFESSIONAL EXPERIENCE

DigiEx Group (Viet Nam) - Full Stack Software Engineer

03/2022 - Now

Project: Obello AI graphic design platform (30 members)

01/2023 - Now

- **Description:** Developed a platform to uses an AI-enhanced library (images, videos, fonts) for rapid template generation. Supports custom animations and multi-format dynamic video/image export.

- **Role:** Senior Fullstack Engineer

- **Technologies:**

- Micro Frontend, JavaScript/Typescript, React.js, Konva/Canvas 2D, GSAP Animation, Mobx
- Amazon Web Services, AWS Lambda, Node.js, FFmpeg, node-canvas

- **Responsibilities:**

- Defined the architecture, layout structure, and global state management for the platform's Editor.
- Designed and implemented the Animation Feature using GSAP library, enabling element-level animations within templates, optimized Editor behaviors related to animation playback, synchronization, and user interaction.
- Developed and optimized the rendering of Image, Video, GIF, and Audio elements on Canvas (Konva/Canvas 2D) to support complex, dynamic motion design templates.
- Implemented the Export Feature, extending node-canvas for server-side rendering of design templates, and developed the solution for exporting in MP4, GIF, PNG, and JPEG formats.
- Optimized the Export process with a multi-threaded rendering solution, reducing export time by approximately 50% for long and complex video templates.
- Hosted daily meeting with Dev team from India, code review in the team to ensure code quality.

Project: Kokozi Authentication Gateway (5 members) 10/2022 - 01/2023

- **Description:** Built a gateway with multiple authentication, authorization methods (OAuth 2.0, OpenID Connect, JWT, SMS) use with affiliate partners in the client's system.
- **Role:** Fullstack Leader Developer
- **Technologies:**
 - Front-end: ReactJS, React Native, Web View, Apple/Kakao/Firebase/Typeform Sdk
 - Back-end: NestJS, Keycloak
- **Responsibilities:**
 - Legacy the authentication's interface on the web application, extends the cross-platform application with React Native, uses Web View to load and run the code on the native environment.
 - Setup Keycloak Admin Console's interface to help client manage users effectively, integrate Apple/Kakao service into Keycloak's system to categorize user channels.
 - Implemented protocol's flows, integrating the APIs provided by Keycloak to create APIs for use by the system and third parties.
 - Assigned tasks, supported and transferred task to members & report daily with client.

Project: Calobye E-commerce (9 members) 7/2022 - 10/2022

- **Description:** Develop an SEO optimized e-commerce website including sales channels and store management channels.
- **Role:** Frontend Developer
- **Technologies:** Typescript, Next.js + React.js, MUIv6
- **Responsibilities:**
 - Participated in the early stages of the project, setup modules according to the old design of the project.
 - Mainly coding and fixing bugs, implement module Home page & Product page.

Project: CafeMaker (3 members) - Frontend Developer 06/2022- 07/2022

- **Technologies:** Typescript, React Native, React-native-chart
- **Responsibilities:** Implemented API integration to retrieve and analyze coffee shop location data based on customer areas, providing statistical insights and visual representations through mobile charts.

Project: ITruck Mobile Application (3 members) - Frontend Developer 03/2022 - 06/2022

- **Technologies:** Typescript, React Native, Redux, React Native UI toolkit
- **Responsibilities:** Developed mobile user interfaces based on Zeplin designs for a truck rental and sales application.

Others Project

Project: VietCredit - Backend Developer

- **Technologies:** Express.js, Puppeteer Headless Browser, MongoDB
- **Responsibilities:** Developed and implemented data crawling solutions to collect authorized user information supporting organization's loan decision-making processes.

EDUCATION

Ho Chi Minh City University of Technology & Education (HCMUTE) - 2024