



# PHAM XUAN DAT

FullStack Developer

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## ABOUT

With a solid foundation in React, JavaScript, and Node.js, I am eager to apply my knowledge in real-world scenarios to develop my skills in a professional work environment. I am ready to learn and actively contribute to the company's projects.

## SKILLS

- **Languages:** JavaScript, Java, Kotlin
- **Frameworks:** React Native, Node.js, Express
- **Libraries:** Sass, Tailwind CSS, Bootstrap, Firebase, Redux, React Navigation
- **Tools:** Postman, VS Code, XAMPP
- **Testing:** Jest, Postman
- **Development Tools:** Docker, GitHub, GitLab, Trello
- **Databases:** MongoDB, Firebase, Redis, MySQL
- **UX/UI:** Photoshop, Figma

## EXPERIENCE

### SPORTS FIELD BOOKING APPLICATION

9/2023 - 12/2023

- **Project Type:** Team
- **Number of Members :** 2
- **Project Description:** A mobile application that supports users in booking sports fields online, searching, booking, and paying online in real-time. The application provides features to display available field slots and an intuitive map to help users select suitable fields and times.
- **Main Responsibilities:**
  - Developed a system to display available field slots and update in real-time to avoid conflicts.
  - Built a user authentication system using OTP (sent via email, temporarily stored using Redis).
  - Integrated field search by area and distance using PostGIS.
  - Integrated Goong.io API maps and user location determination.
  - Developed an online payment system with ZaloPay API.
  - Managed e-wallet transactions, tracking, and recording payments.
  - Implemented data encryption for security (AES-256, JWT) and resource storage on AWS S3.
  - Provided real-time notifications via Firebase and Socket.IO.
  - Used Cloudflare to accelerate image loading and applied image compression techniques such as lossless and lossy compression to optimize image size and loading speed.
  - Automated error logging with Winston and maintained API documentation via Swagger
- **Technologies Used:** Node.js, Express.js, PostgreSQL, PostGIS, Redis, Goong.io API, Zalopay API, JWT, AES-256, Nodemailer, Twilio, Firebase, Socket.IO, Winston
- **Gitlab:** <https://gitlab.com/handmadee38/velo-booking>
- **Demo:** <https://linkcuts.com/velobooking>

- **Project Type : Freelancer**
- **Number of Members: 5**
- **Project Description:**
  - A payment system that allows users to transfer money using bank QR codes and deducts funds via token when receiving USDT into the wallet. This system integrates bank QR codes for money transfers and uses tokens to deduct funds when receiving USDT, ensuring fast and secure transactions.
- **Main Responsibilities:**
  - Handled wallet functionality on Web 2.
  - Used JWT (JSON Web Tokens) for user authentication and securing wallet transactions.
  - Implemented OTP authentication for the wallet and encrypted OTPs.
  - Used mailer to send emails to users.
  - Managed cash flows on Web 2.
  - Managed transactions.
  - Analyzed MCOOV QR codes from banks using API services from Bao Kim Bank and ACB.
  - Used CoinGecko to fetch exchange rates from USDT to VND.
  - Used Redis for data caching.
  - Applied locking and transaction techniques to avoid conflicts.

**Technologies Used:** NestJs, Typescripts, Resdis, Swagger, Postgres, Postman, Axios, ....

## TSMART LEARNING APPLICATION

2/2024 - 5/2024

- **Project Type: Freelancer**
- **Number of Members: 1**
- **Project Description:** The Tsmart learning application provides a comprehensive platform for managing students and teachers. It helps create an effective learning environment, track learning progress, organize online exams, and optimize teaching management. This system will be deployed on both the website and mobile application, allowing users to access it easily from various devices.
- **Main Responsibilities:**
  - Handle all functions in the app and website
  - Develop the mobile application with React Native for the learning and online examination system
  - Design and implement the admin website using HTML, CSS, JavaScript, and EJS
  - Build an online examination system supporting both multiple-choice and essay exams
  - Track and manage students' learning progress
  - Send notifications via email and push notifications using Mailer and Firebase Cloud Messaging (FCM)
  - Integrate language switching functionality between English and Vietnamese
  - Manage exams and notify results via email to parents
  - Store and manage images using Cloudinary
  - Manage tests, scores, and test history
  - Rank students and receive notifications from the center
  - Import and export grade sheets through Excel
  - Attendance tracking for students and teachers
- **Technologies Used:** React Native, HTML, CSS, JavaScript, Node.js, EJS, MongoDB, Firebase Cloud Messaging (FCM), Git, Visual Studio Code, Postman, Firebase Authentication, Mailer, Cloudinary, i18n, Excel

- **GITHUB FRONTEND:** [HTTPS://GITHUB.COM/HANDMADEE/T\\_SMART](https://github.com/handmadee/t_smart)
- **GITHUB BACKEND :** [HTTPS://GITHUB.COM/HANDMADEE/SEVERLEARING](https://github.com/handmadee/severlearing)
- **APK APP:** [HTTPS://LINKCUTS.COM/TSMARTAPP](https://linkcuts.com/tsmartapp)
- **VIDEO:** [HTTPS://LINKCUTS.COM/TSMART](https://linkcuts.com/tsmart)

## BACKEND OF AN E-COMMERCE SYSTEM

1/2024 - 3/2024

- **Project Type:** Personal
- **Number of Members:** 1
- **Project Description:** Developed an e-commerce platform to manage stores, products, and promotional programs set by shops or admins, inventory management, product search, shopping cart, and order processing.
- **Main Responsibilities:**
  - Developed the backend with Node.js and JavaScript.
  - Managed data and authentication with Firebase.
  - Used JWT for user authentication and authorization.
  - Built symmetric encryption to secure accounts.
  - Integrated and stored images using Cloudinary.
  - Applied Factory and Singleton design patterns.
  - Organized code following the MVC model.
  - Used Zalo Pay API for payment processing.
  - Used optimistic locking and Redis to optimize and ensure accuracy in inventory deduction during simultaneous orders.
  - Built discount functionality following the Black Friday model.
  - Implemented notifications using Firebase.
- **Technologies Used:** NodeJs, Express, Redis, Swagger, Postgres, Postman .....
- **Github Project:** [https://github.com/handmadee/Ecommerce\\_console](https://github.com/handmadee/Ecommerce_console)

## WEBSITE S2 TRAVEL VIETNAM

2/2023 - 3/2023

- **Project Type:** Freelancer
- **Number of Members:** 1
- **Project Description:** I participated in developing the S2Travel Vietnam website, which provides travel tours with features that help customers search, view details, and book tours. The website also includes a news section to update travel-related information for customers.
- **Main Responsibilities:**
  - Developed and maintained the user interface (UI) of the S2Travel Vietnam website.
  - Designed and implemented responsive web pages using HTML, CSS, Bootstrap, and React.js.
  - Created detailed tour pages, including pricing, itineraries, pagination, tour search, and a booking form system.
  - Designed and developed an admin management system with features such as adding, editing, and deleting tours, managing blog posts, confirming and changing booking statuses, and updating images.
  - Built meta tags and optimized HTML to enhance the website's visibility on search engines (SEO optimization).
- **Technologies Used:**
  - React.js, Bootstrap, JavaScript, CSS, Node.js, Express, MongoDB, Meta tags, HTML optimization, Git, Visual Studio Code, Postman, Firebase Authentication.
  - **Website:** <https://www.s2travelvietnam.vn/>

## EDUCATION

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FPT Polytechnic College Da Nang (05/2022 - 10/2024)

- Major: Mobile Programming
- GPA: 8.7/10

## CERTIFICATES

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- Completed Frontend Development Course at CyberSoft Programming Center
  - GPA: 8.5/10
- React Native Udemy Bootcamp Certificate (10/2021 - 05/2022)
- FPT Algorithm Certificate (2023 - 2024)

## ACTIVES

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- **2022 - 2024: FPOLY IT CLUB**
  - **Role:** Backend dev
  - **Actives:** Participated in club projects
- **9-2023 - 10-2023: HACKTHON FPT (CS TÂY NGUYÊN)**
  - **Role:** LeaderTeam

## PRIZE

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- **March 2024: Second Place in the FPT Algorithm Challenge**
  - Project: Timetable Scheduling
- **May 2024: Solana Blockchain Dapp Award**
  - Project: Void Chat (Telegram Chat Bot)