

DO TRUNG DUNG

Software Developer

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PROFILE

Software Developer with hands-on experience across web, desktop, AI/OCR, and IoT-related projects. Interested in exploring new technologies, tools, and practical approaches that can be applied to different products and business domains. Comfortable learning unfamiliar systems, adapting to existing codebases, and moving from research and prototyping to implementation, testing, and iteration.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, PHP, Python, C/C++, SQL

Application Development: React, Next.js, Electron, React Native, HTML5, CSS3, Bootstrap

Backend & Data: PHP, REST APIs, MySQL, SQL Server, Oracle

AI & Automation: Tesseract OCR, EasyOCR, Selenium, Python Requests

IoT & Security: ESP32, MQTT/TLS, Lightweight Cryptography

Tools & Delivery: Git, GitHub, GitHub Actions, Postman, VS Code

EDUCATION & LANGUAGE

Ho Chi Minh City University of Industry and Trade (HUIT)

2022–2026

Engineer in Information Security · GPA: 3.4/4.0

English: VSTEP B2

PROFESSIONAL EXPERIENCE

SOF Co., Ltd.

06/2025 – Present

Full Stack Engineer · Ho Chi Minh City, Vietnam

- Independently developed SOF LOG, SOF CARE, and SOF WMS, covering logistics, service/CRM, and warehouse management workflows from application structure through implementation and iteration.
- Built enterprise desktop applications with React, Electron, PHP services, MySQL, Ant Design, React Query, REST API integrations, reporting, printing, barcode/QR, and document-export capabilities.
- Worked with operational MySQL data flows and applied pagination and query-level optimizations where needed to keep data-heavy screens responsive and reduce unnecessary server load.
- Extended existing SOF PMS, SOF F&B, SOF POS, and SOF WMS Pro products by implementing additional modules, workflows, integrations, and maintenance improvements within established codebases.

VN Digital Technology Solution Co., Ltd. (VNDS)

01/2025 – 06/2025

Full Stack Engineer · Ho Chi Minh City, Vietnam

- Delivered 17 production client websites as a solo Full Stack Developer, handling implementation end-to-end from responsive UI and PHP-based CMS/backend development to MySQL integration, deployment, and production updates.
- Built corporate, catalog, e-commerce, logistics, construction, industrial, and service websites using PHP, MySQL, JavaScript, HTML/CSS, and Bootstrap.
- Implemented project-specific features such as content management, product catalogs, multilingual content, promotional components, contact flows, and SEO-oriented metadata.

MobiFone Digital Payment

09/2024 – 12/2024

Development Intern · Ho Chi Minh City, Vietnam

- Worked on an OCR document-processing pipeline that converted scanned images into searchable PDFs by locating text regions, recognizing content with Tesseract/EasyOCR, and placing searchable text at corresponding document coordinates.
- Participated as a Front-end Developer in an internal administration web application using React.
- Learned and applied web data collection and automation techniques using Selenium and Python Requests.

SELECTED PROJECTS

Adaptive Encryption for Resource-Constrained IoT Devices

IoT / Embedded / Information Security · ESP32 · C/C++ · Arduino IDE · PlatformIO · HiveMQ · MQTT/TLS · Lightweight Cryptography

- Worked across the full project lifecycle: project planning, research design, cryptographic algorithm study, hardware/software architecture, prototype development, experiments, measurement, analysis, technical reporting, and demonstration.
- Built an ESP32-based IoT prototype and evaluated adaptive use of SPECK, SIMON, ASCON, and AES based on device and system context, with encrypted telemetry transported through MQTT over TLS.
- Designed benchmark and state-machine experiments across 5 MB, 10 MB, and 100 MB datasets. In the project experiments, SPECK was about 5.39× faster and used approximately 75% less measured energy than the AES software baseline across the tested dataset sizes.

SOFL LOG

Enterprise Logistics / Transportation Management System · Independently developed · React · Electron · PHP · MySQL · Ant Design · React Query

- Developed an operational Electron desktop system spanning transport intake, planning, routes, dispatch, vehicles/drivers/containers, costs, receivables, warehouse workflows, reporting, printing, and document export.
- Implemented a context-aware, read-only AI assistant that can explain the current operational context and provide guided support within the employee workspace.

SOFCARE & SOFWMS

Enterprise Service/CRM + Warehouse Management · Independently developed · React · Electron · PHP · MySQL

- Built SOFCARE for customer/service operations and maintenance scheduling, including a quick-dispatch workspace with drag-and-drop technician assignment and operational scheduling controls.
- Built SOFWMS for receiving, issuing, stock control, product/supplier master data, stocktake, warehouse documents, printing, and operational reporting.

Hikari Cosmetics

Client E-commerce / Corporate Website · Solo Full Stack Developer · 2025 · PHP · MySQL · JavaScript · Bootstrap

- Developed and deployed a responsive cosmetics website with CMS capabilities, product/catalog content, multilingual support, promotional popups, and SEO-oriented implementation.
- Handled the project end-to-end using PHP, MySQL, JavaScript, HTML/CSS, and Bootstrap; the website was deployed for real client use.

Live: myphamhikari.com.vn

ADDITIONAL ENTERPRISE SYSTEMS

SOFPMS: Extended an existing hotel property management system covering room/status workflows, a seven-day booking timeline, check-in/checkout and billing workflows, multi-gateway payments, Channex booking/channel connectivity, invoice flows, and restaurant POS integration.

SOF F&B: Extended an existing restaurant/F&B desktop application covering floor/table operations, ordering, kitchen/bar queues, payment, warehouse, reporting, printing, and day-to-day cashier workflows.

SOF WMS Pro: Extended an existing warehouse execution system covering receiving, put-away, picking, processing, packing, pallet closing, stocktake, and status control, including pallet status views and operational print/export support.

SOF POS: Extended an existing retail/POS application with sales, product/customer handling, payments, peripherals, reporting, barcode/scale-related workflows, Excel import, e-invoice workflows, and customer-facing operational features.