

# Vi The Anh

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## SUMMARY

Software Engineer with 5+ years of experience in full-stack development and large-scale data scraping. Proficient in architecting robust backend systems, building intuitive frontends, and developing automated tools to extract and analyze complex data. Experienced in optimizing system performance and ensuring seamless integration through pipelines and cloud-native technologies. Committed to an Agile mindset, I thrive in collaborative environments to deliver scalable, high-performance solutions that precisely cater to user needs.

## TECHNICAL SKILLS

<b>Frontend</b>	ReactJS, Next.js, Angular, Redux, React Native   UI Libraries: Ant Design, Material UI (MUI), Bootstrap, Tailwind CSS, React Native Paper
<b>Mobile</b>	React Native, Expo, React Modules, Reanimated
<b>Backend</b>	Node.js, Bun, NestJS, Express.js
<b>Databases</b>	MongoDB, PostgreSQL, MySQL, SQLite, Redis, InfluxDB
<b>DevOps &amp; Cloud</b>	Docker, Azure, CI/CD Pipelines, Microservices Architecture, Lambda
<b>Messaging &amp; Real-time</b>	Apache Kafka, RabbitMQ, Socket.IO, Pub/Sub, Message Queues, SQS
<b>Tools &amp; Testing</b>	Jest (Unit & Integration Testing), PM2, Keycloak (IAM & SSO)
<b>AI / LLM Integration</b>	Hands-on experience integrating AI/LLM features into production systems

## PROFESSIONAL EXPERIENCE

### FPT Corporation

August 2025 - Present

**Position:** Fullstack Developer | **Project:** Meup | **Team size:** 4

**Description:** Develop profit management, marketing, and operations software tailored for TikTok Shop sellers.

- Engineered a real-time data crawling system ingesting live metrics from 100+ TikTok Shop stores
- Built interactive dashboards visualizing revenue, content KPIs, and KOC metrics to accelerate business decisions
- Implemented automatic data synchronization from Seller Center, profit & loss reports, livestream, and video performance data
- Designed a high-performance data processing system capable of handling hundreds of thousands of records per day
- Integrated the TikTok Shop API to collect and manage e-commerce data
- Analyzed GMV, order metrics, and advertising performance for each video and livestream

**Techstack:** Typescript, Bun, React, Tailwind, Zustand, RabbitMQ, InfluxDb, PostgreSQL, Docker, Github Actions, AWS S3

**Position:** Mobile Developer | **Project:** FPT iViec | **Team size:** 5

**Description:** Cross-platform (iOS/Android) mobile recruitment application for FPT iVIEC

- Built an AI chatbot with tool calling for job search, salary estimation, and applications
- Developed AI CV parsing to extract data and auto-generate candidate profiles
- Implemented real-time CV scanning and eKYC tracking via WebSocket
- Built a cross-platform recruitment app (React Native + Expo) for iOS and Android
- Designed reusable UI architecture with Atomic Design and modular services
- Managed server state using TanStack Query with caching and infinite scroll
- Implemented real-time updates and push notifications using Socket.IO and FCM

**Techstack:** React Native, Expo, TypeScript, Zustand, TanStack Query, Socket.IO, NativeWind

## SOTATEK

**Position:** Fullstack Developer | **Project:** Musinsa Radar | **Team size:** 4

**Description:** Built an enterprise-grade automated platform for Musinsa to systematically collect, analyze, map, and monitor real-time competitor pricing data – driving strategic pricing decisions and strengthening market competitiveness.

- Architected and developed a high-throughput data scraping engine capable of processing large-scale e-commerce datasets
- Implemented reusable base modules for web crawling and structured data parsing across multiple competitor sites
- Designed scalable data storage schemas and RESTful API architecture to bridge scraped data with product catalogs
- Built similarity matching algorithms to validate and map scraped competitor data against Musinsa's product inventory
- Developed real-time price comparison features to benchmark Musinsa products against competitor pricing strategies
- Integrated Apache Kafka for reliable event-driven processing, enabling asynchronous data pipelines at scale
- Deployed serverless AWS Lambda functions to handle distributed crawling & parsing workloads efficiently
- Leveraged AWS SQS for decoupled event-driven architecture, ensuring fault-tolerant asynchronous task processing

### Techstack:

- Typescript, NestJS, React, Jest, Puppeteer, Ant-design, Redux toolkit, Kafka, Lambda, S3, SQS
- Docker, BrightData, Docker compose, Github Actions
- MongoDB, PostgreSQL, DynamoDB

## FPT SOFTWARE

September 2021 - May 2024

**Position:** Fullstack Developer / Frontend Leader | **Project:** akaAT

**Description:** Built as a TestOps, end-to-end testing ecosystem for both individual users and enterprises. All products are geared towards managing the lifecycle of a software development project.

**Product:** TestMan - Manual Test Management and Work Management (*team size: 12*)

- Developed test plan, dynamic test case design, repositories, and task allocation modules
- Built real-time dashboards and test reports (manual & automation) using Chart.js; implemented traceability for root cause analysis
- Implemented configurable testing workflow supporting Agile/Scrum and Waterfall
- Built import/export functionality for test data via Excel with data validation
- Integrated with Azure DevOps and Jira for issue tracking and test management sync
- Developed connectors for external automation frameworks to trigger tests and visualize results
- Tech Stack: React, Node.js, Docker, PM2, MongoDB, PostgreSQL, Pub/Sub, Queue, Easy-peasy

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**Product:** Test Engine - Running Job Management integrated with CI/CD (*team size: 7*)

- Built orchestration module to configure, schedule, and trigger automated test jobs via akaAT Agent
- Developed job execution pipeline generating structured test reports with pass/fail metrics
- Implemented real-time notifications across job lifecycle (start → execution → report) via Mail, Slack, Teams, Zalo
- Tech Stack: React, Node.js, Docker, PM2, MongoDB, Socket.IO, Redis

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**MVP:** DataVS - Data Warehouse & ETL Testing Solution (*team size: 4*) | **Top 3/32 FPT Hackathon**

- Developed desktop app with multi-database connectivity to compare metadata and data content
- Built import/export module supporting Excel and CSV for test case management
- Developed test execution engine with detailed result reporting and comparison summaries
- Tech Stack: React, Node.js, Electron, Redux Toolkit

**Position:** Fullstack Developer

**Project:** Tene Productivity Hub

- Developed comprehensive bug tracking system with real-time notifications and status updates, integrating seamlessly with agile project management workflows
- Designed and implemented intuitive UI components alongside RESTful API endpoints to enhance team collaboration and productivity tracking
- Built scalable architecture using React, Redux-Saga for state management, and NodeJS backend with MySQL database optimization

**Techstack:** React, NodeJS, Redux-Saga, MySQL, Redis

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**Project:** Chatwork Desktop Application

- Successfully migrated desktop application from Electron 11 to Electron 12, improving performance and security for real-time business chat functionality
- Maintained and enhanced desktop application interface with new features including screen sharing, file management, and notification system improvements
- Collaborated with QA team to identify and resolve critical bugs, ensuring stable releases for thousands of enterprise users

**Techstak:** Electron, React, NodeJS

## **EDUCA CORPORATION JSC**

*Dec 2019 – Mar 2021*

**Position:** Fullstack Developer

**Project:** Education Platform

- Created engaging online interactive educational games and quizzes that achieved over 10,000 weekly active users across multiple secondary schools
- Implemented frontend event handling and animation systems to deliver smooth, responsive user experiences across various devices
- Developed comprehensive CMS tools enabling teachers and content creators to easily manage, publish, and track educational materials
- Integrated Laravel backend with Angular frontend, implementing secure authentication and role-based access control

**Techtack:** Angular, Laravel, MySQL, Redis

## **EXTERNAL PROJECTS**

**Role:** Freelance Developer

- Implement app R&B use React-native and publish to CHplay + Appstore
- Implement Zalo mini app ecommerce use zmp
- Engineered an automated data extraction pipeline for 120+ TikTok shops, transforming raw datasets into actionable visual dashboards.
- Created marketing and lead generation websites leveraging HubSpot CRM integration for automated email campaigns and customer tracking

## **EDUCATION**

*2017 – 2021*

**University of Engineering and Technology – VNU**

**Degree:** Information Technology