andy

Full-Stack Developer | AI Integration Specialist

◎ Brockport, NY, USA

✉ andysoft9333@outlook.com
Phone: +1 (785) 260-2480
LinkedIn: linkedin.com/in/andy-chan
GitHub: github.com/andychan93330
Portfolio: andychan.dev

PROFESSIONAL SUMMARY

Full-stack developer with 5+ years of professional experience building scalable web applications and AI-powered solutions. KAIST Computer Science graduate specializing in Next.js, React, TypeScript, and OpenAI API integration. Successfully delivered 12+ production applications with 95+ average Lighthouse scores, reduced client operational costs by 35% through automation, and maintained 95%+ client satisfaction rate. Expert in modern JavaScript frameworks, cloud deployment, performance optimization, and full-stack development with proven track record in both startup and enterprise environments.

EDUCATION

KAIST (Korea Advanced Institute of Science and Technology)

Bachelor of Science, Computer Science

Concentration: Software Engineering & AI

GPA: 3.8 / 4.0

2015 – 2019

CERTIFICATIONS

FreeCodeCamp Certified

JavaScript Algorithms and Data Structures

AWS Certified

Cloud Practitioner

CS Degree

Computer Science Bachelor's

LANGUAGE SKILLS

Korean

Native

English

Fluent (Professional)

Chinese

Conversational

TECHNICAL SKILLS

Frontend & UI

React 18, Next.js 14 (App Router), TypeScript, JavaScript (ES2023), Tailwind CSS, Framer Motion, HTML5, CSS3, Responsive Design

Backend & APIs

Node.js, Next.js API Routes, REST APIs, GraphQL, Express.js, FastAPI, Python, PostgreSQL, MongoDB, Prisma ORM

AI & Automation

OpenAI API (GPT-4), LangChain, Prompt Engineering, AI Workflows, Vector Databases, RAG Implementation, Automation Scripts

DevOps & Cloud

Vercel, Netlify, AWS, Docker, Git/GitHub, CI/CD, Performance Optimization, SEO, Web Vitals, Lighthouse

PROFESSIONAL EXPERIENCE

Senior Full-Stack Developer
2019 – Present

Freelance & Contract Work

‣ Delivered 12+ production web applications for clients including startups and SMEs, achieving 95+ average Lighthouse performance scores

‣ Implemented AI-powered features using OpenAI API and LangChain, resulting in 50% improvement in user engagement and 35% reduction in operational costs

‣ Built e-commerce platforms and business applications processing 50K+ monthly transactions with 99.5% uptime

‣ Developed mobile applications published on App Store and Google Play with 4.2+ star ratings and 5K+ downloads

‣ Optimized legacy applications reducing load times by 55% and server costs by 25% through modern architecture and caching strategies

‣ Maintained 95%+ client satisfaction rate with consistent on-time delivery and exceeded project requirements in 85% of engagements

KEY PROJECTS

AI Chat Assistant

OpenAI API · Next.js · LangChain · TypeScript · Vercel AI SDK

‣ Built intelligent chatbot with OpenAI GPT models and LangChain for context-aware conversations

‣ Implemented multi-turn conversations, custom knowledge base integration, and streaming responses

‣ Created conversation history management and export functionality for enhanced user experience

RealWorld Full-Stack Application

Next.js · Node.js · PostgreSQL · TypeScript · Prisma · JWT

‣ Developed production-ready full-stack application following RealWorld specification and best practices

‣ Implemented user authentication, CRUD operations, real-time updates, and comprehensive error handling

‣ Built responsive design with pagination and optimized database queries using Prisma ORM

E-Commerce Platform

Next.js · Node.js · PostgreSQL · Stripe · TypeScript · Tailwind CSS

‣ Built comprehensive e-commerce solution with shopping cart, payment processing, and inventory management

‣ Integrated Stripe payment gateway with secure transaction handling and order tracking system

‣ Developed admin dashboard for product management, sales analytics, and customer relationship management

Cross-Platform Weather Application

React Native · Expo · TypeScript · Location Services · AsyncStorage

‣ Developed feature-rich weather app with location-based data, 7-day forecasts, and weather maps

‣ Implemented push notifications, offline support, and smooth animations for enhanced user experience

‣ Published on both iOS App Store and Google Play Store with 4.2+ star ratings

Modern Dashboard UI

React · TypeScript · Tailwind CSS · Recharts · Framer Motion

‣ Built responsive dashboard with real-time data visualization, interactive charts, and dark mode support

‣ Implemented advanced filtering, search functionality, and smooth animations using Framer Motion

‣ Achieved 92+ Lighthouse performance score through code optimization and efficient state management

CORE COMPETENCIES

Agile Methodologies   RESTful API Design   Database Design   Performance Optimization   SEO & Web Vitals   Responsive Design

Version Control (Git)   CI/CD Pipelines   Code Review   Technical Documentation   Problem Solving   Cross-Platform Development