CHANNCHEALY SEK

Houston, TX 77064

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🌐 www.channchealysek.com

Frontend / Full Stack Web Developer

PROFESSIONAL SUMMARY

Frontend-focused Web Developer with hands-on experience building **production-style applications** using **Next.js, React, Node.js, and JavaScript**. Proven ability to develop responsive UIs, real-time dashboards, secure web functionality, and API-driven systems. Strong problem-solver with experience deploying applications on Linux servers and integrating third-party services.

TECHNICAL SKILLS

Frontend: Next.js, React, JavaScript, HTML, CSS, Tailwind CSS
Backend: Node.js, REST APIs, WebSockets
Data & APIs: Binance API, MongoDB, JSON
Tools & Infrastructure: Git/GitHub, Ubuntu Server, API Proxy Routing, Cloudinary, Google hCaptcha
Practices: Responsive Design, Mobile-First UI, Agile/Scrum

RELEVANT PROJECTS

Crypto Signal AI – Real-Time Trading Dashboard
Full Stack Developer | Next.js, Node.js
🌐 https://chealy.net

- Built a **real-time crypto trading signal platform** using **Next.js** and Node.js.
- Integrated **Binance REST and WebSocket APIs** for live price and candlestick data.
- Developed a **custom proxy service on an Ubuntu server** to bypass regional API restrictions and ensure stable data access.
- Implemented **multi-timeframe signal logic** (5m, 15m, 30m) with technical indicators and AI-based scoring.
- Created an interactive dashboard with **live prices, signal confidence, countdown timers, and market sentiment**.

Personal Portfolio & Resume Management Platform
Full Stack Developer
🌐 https://channchealysek.com

- Developed a **full-stack portfolio platform** to showcase projects, skills, and experience.
- Implemented a **print-ready resume system** with direct export from the web interface.
- Built a **secure contact form** protected with **Google hCaptcha**.
- Integrated **Cloudinary** for image storage and optimization.
- Added backend functionality for **dynamic project management** and server-side file uploads (ZIP/RAR) on Ubuntu.

Civics 128 – Interactive Learning Web App

Frontend Developer | Node.js, Tailwind CSS

🌐 https://civics.channchealysek.com

- Built an interactive civic education app covering all **128 U.S. civics test questions**.
- Implemented **client-side routing** and a **JSON-based content system** for scalable lesson management.
- Integrated **audio playback** to support accessibility and auditory learning.
- Designed a responsive, dark-themed UI using Tailwind CSS.

EDUCATION

Rice University – Houston, TX
Certificate, Full Stack Development | 2022

National University of Management – Cambodia
M.S. & B.S., Management Information Technology

Civics 128 – Interactive Learning Web App

Frontend Developer | Node.js, Tailwind CSS

🌐 https://civics.channchealysek.com