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JAMES SCHOFIELD

Full Stack Developer, AI Professional

PROFESSIONAL SUMMARY

Full Stack Developer with 5 years of experience in crafting secure and scalable web applications using modern frameworks and tools such as React.js and Next.js. I demonstrate proficiency in both frontend and backend development, with expertise in cybersecurity and data analysis, supported by a B.S. in Cyber Security and a Minor in Data Science. As a U.S. Navy Reservist with active DOD TS/SCI clearance, I bring a disciplined approach to secure coding and operational integrity, while actively teaching React.js to transitioning military personnel.

LINKS

GitHub: github.com, LinkedIn: www.linkedin.com, Portfolio: www.jamesschofield.com.

SKILLS

Languages & Frameworks: JavaScript, TypeScript, HTML, CSS, React.js, Next.js, Node.js, React Native, Python
Frontend: Tailwind CSS, Styled-Components, Framer Motion, MUI, Responsive Design, React Hooks
Backend & APIs: Express.js, REST APIs, Firebase (Auth, Firestore, Functions), JWT, MongoDB, MySQL
Tools & Platforms: Git, GitHub, Vercel, Postman, VS Code, Netlify
AI & Data: Claude AI (OpenRouter), Chart.js, MySQL, Data Visualization
Security: Secure Coding Practices, TS/SCI Clearance, Role-Based Access Control

RELEVANT PROJECTS

STOCK/CRYPTO MARKET DASHBOARD

Tech Stack: React 19 · Styled-Components · Framer Motion · Alpha Vantage API · CoinGecko API · Claude AI · OpenRouter

- Developed a real-time financial analytics dashboard for tracking stocks and cryptocurrencies across asset classes (blue-chip, growth, momentum), with advanced charting and multi-timeframe metrics.
- Integrated AI-powered forecasting using Claude AI (via OpenRouter) and local algorithms to generate market predictions and actionable trading insights.
- Built advanced options tools with Greek calculations (Delta, Theta, Vega), and implemented resilient API integration with fallback logic using Alpha Vantage and CoinGecko.

VENDOR MANAGEMENT DASHBOARD

Tech Stack: Next.js · TypeScript · Tailwind CSS · MongoDB · Chart.js · MUI · REST APIs

- Architected and deployed a full-featured vendor dashboard enabling secure user management and bulk exam code assignment via live production API integrations with scoped role-based access (Admin, Proctor, Vendor Admin).
- Engineered robust UI/UX with real-time form validation, toast notifications, loading states, and error handling using Tailwind CSS, MUI DataGrid, and modular modal components.
- Built a clean, scalable codebase with TypeScript interfaces, RESTful API service layers, and modern Git workflows (feature branches, PRs, ESLint, Prettier) aligned with DevOps best practices.

PEERSWIPE

(Still in progress) Tech Stack: React Native · Firebase (Authentication, Firestore, Cloud Storage) · Google Cloud Functions · Push Notifications · Real-time APIs

- Led development of a React Native mobile app for professional networking with swipe-style interactions, built for iOS and Android using Firebase (Auth, Firestore, Cloud Storage) and real-time APIs.
- Implemented secure backend architecture with Google Cloud Functions to support matchmaking logic, profile scoring, real-time chat, and push notifications via Firebase Cloud Messaging.
- Designed a scalable MVP with responsive UI, modular component architecture, and modern GitHub workflows (feature branches, PRs, documentation) to support future feature expansion.

RELEVANT EDUCATION

BACHELOR OF SCIENCE: CYBER SECURITY AND DATA SCIENCE   2021 - 2025
Mercyhurst University   *Erie, PA*

- Bachelors of Science with a Degree in Cyber Security and Minor in Data Science
- Cyber Security and Data Science Club Member, 2022-Present
- Dean's List: Spring 2025, Fall 2024, Spring 2024, Spring 2023

FULL STACK WEB DEVELOPMENT COURSES

♦ Completed courses and achieved certifications in JavaScript, HTML/CSS, MySQL, and React.js

EMPLOYMENT HISTORY

FREELANCE FULL STACK DEVELOPER   **2020 - Present**
ERA Solutions/ COITB   *Remote*

♦ Developed and maintained full stack applications using Next.js, Tailwind CSS, MongoDB, and Chart.js, including a Vendor Management Dashboard for business analytics and performance tracking.

♦ Built secure, scalable admin/vendor interfaces with JWT authentication, RESTful APIs, real-time metrics, and responsive UI/UX optimized for mobile and accessibility.

♦ Applied cybersecurity best practices and modern dev workflows (React Hooks, SSR, GitHub, SEO, secure coding) while also supporting resume tools and dashboards for client branding and job readiness.

REACT.JS INSTRUCTOR   **Jun 2025 - Present**
COITB   *Remote*

♦ Instruct transitioning military and veterans in React.js fundamentals, including JSX, hooks, state management, routing, and API integration—preparing them for certification and industry roles.

♦ Mentor students through hands-on projects, code reviews, and personalized feedback to build job-ready portfolios and GitHub proficiency using clean code and modern practices.

♦ Collaborate with COITB leadership to refine curriculum, align content with current tech standards, and integrate career readiness through resume, LinkedIn, and GitHub development support.

CRYPTOLOGIC TECHNICIAN TECHNICAL   **Jun 2022 - Present**
United States Navy   *Detroit, MI*

- • Attached to CWG-6 Detroit, providing support in signal intelligence operations and maintaining readiness as part of the command.

- • Serve as an Active Reservist, consistently maintaining readiness through regular training and operations.

- • Hold an Active DOD TS/SCI for CI Poly Clearance, ensuring compliance with security protocols in all intelligence operations.

♦ Coordinate advanced signal intelligence operations while managing readiness of 15+ sailors, implementing secure protocols under TS/SCI clearance for mission-critical tasks.

♦ Analyzed intelligence data to inform decision-making, resulting in strategic advantages during operations and improved overall mission effectiveness.

CERTIFICATIONS

- • Active DOD TS/SCI with CI Poly Clearance
- • COITB Professional JavaScript Developer Certification #5938
- • COITB MYSQL Backend Developer Certification #6009
- • COITB HTML/CSS Web Designer Certification #6081
- • COITB React.js Framework Developer Certification #6145

COMMUNITY SERVICE

ELMWOOD GARDENS RETIREMENT HOME

Volunteered at Elmwood Gardens assisting residents and supporting staff operations.