

Sean G. Brown

Full Stack Developer | Systems Modernization | Security-Aware Internal Tooling

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Full-stack developer focused on modernizing practical business systems, building internal tools, improving cloud and security workflows, and turning messy legacy processes into maintainable web applications.

CORE SKILLS

Frontend: React, Next.js, TypeScript, JavaScript, Tailwind, responsive UI

Backend/Data: Node, Express, PHP, REST APIs, MongoDB, Mongoose, SQL

Cloud/Admin: AWS EC2, Microsoft 365, Entra, Intune, SharePoint, Teams

Operations: Inventory, quotes, RMA, fulfillment, procurement, diagnostics

EXPERIENCE

Apex Waves - Web Developer

Raleigh, NC | Nov 2025 - May 2026

Legacy electronic test and instrumentation hardware, e-commerce, and operations systems.

- Modernized legacy inventory, quote, RMA, fulfillment, checkout, procurement, and diagnostic workflows.
- Reduced AWS monthly spend from roughly \$12,000/month to roughly \$2,500/month through infrastructure cleanup and process improvements.
- Reworked backend logic, database management, diagnostic tooling, and data visibility for internal staff workflows.
- Built high-speed internal micro-applications, scraping/procurement utilities, testing coverage, and public free-tools modernization work.

Sibylline - Internal Tools, Web, and Security Infrastructure

Remote | 2020 - 2025

Analyst-facing tools, online presence, Microsoft administration, security training, and automation.

- Created and maintained front-end online presence and responsive internal utilities.
- Built a MERN data visualization application using the UK Crime API, Mapbox search, data tables, and JSON/CSV exports.
- Supported Microsoft 365, Entra, Intune MDM/MAM, SharePoint, Teams, Exchange, and Power Platform workflows.
- Contributed to proactive cybersecurity initiatives, phishing simulation, and security awareness training materials.

SELECTED PROJECTS

UK Crime Reports API Dashboard

React, Mapbox, REST API, CSV/JSON

- Built an analyst-oriented dashboard for force, coordinate, and area-based crime data lookup.
- Rendered searchable results in mapped and table-driven views with JSON/CSV export workflows.

Akashatools

JavaScript, NPM, data utilities

- Published reusable JavaScript utilities for data manipulation, nested object arrays, rendering helpers, and type verification.

Mindspace

In-progress product

- Designing an ADHD-focused life management product for tasks, habits, project planning, events, and notes.

EDUCATION

Washington State University - B.S. Electrical Engineering

May 2015