

Technical Skills

Languages: JavaScript (ES6+), TypeScript, Python, SQL, HTML5, CSS3

Frameworks: React.js, Next.js, Node.js, Express, FastAPI, Tailwind CSS, Bootstrap, Material-UI, Framer Motion, pandas

Databases & Cloud: PostgreSQL, MySQL, Firebase, AWS, Docker, Railway, Vercel, IBM Db2, Git, GitHub Actions (CI/CD)

CMS & Tools: WordPress (Elementor/Divi/Avada), DotNetNuke, Figma, Vite, Google Analytics (GA4), SEO

Certifications: Google Analytics (GA4), HubSpot Service Hub, IBM Databases & SQL for Data Science, IBM Git & GitHub

Professional Experience

Texas A&M University — ERC College Station, TX

Oct 2025 – Present

Frontend Web Developer

- Redesigning and managing the ERC website using the Divi builder in WordPress, enhancing layout, visuals, and overall site usability.
- Improving SEO performance with optimized metadata, structured content, and accessible HTML for stronger search visibility.
- Collaborating with ERC stakeholders to translate research center requirements into responsive, accessible web pages, maintaining consistent visual branding across all site sections.

Impact Group Marketing College Station, TX

Jul 2024 – Jul 2025

Frontend Web Developer

- Managed and maintained 15+ client websites using WordPress (Elementor, Divi, Avada) and custom HTML, CSS, and JavaScript, achieving 99% cross-browser compatibility and improving performance scores by 20%.
- Developed website features based on client requirements which resulted in 30% fewer post-launch revisions and 24-hour bug resolution from the previous three-day time frame.
- Partnered with SEO and marketing teams to execute optimization plans which resulted in better client website search positions and enhanced organic visitor numbers by 25%.

Aggie Artificial Intelligence Society (AAIS) College Station, TX

Aug 2023 – May 2024

Web Developer

- Engineered a custom retro-window UI using Next.js 14, React, and CSS Modules, ensuring pixel-perfect fidelity to original designs while maintaining a modular, scalable codebase.
- Optimized performance by implementing Next.js Image Optimization and component-based lazy loading, successfully reducing initial load times by ~1.5 s and overall latency by ~25%.
- Architected a responsive layout using Flexbox and Media Queries to ensure cross-browser compatibility across mobile, tablet, and desktop — full site available to view in portfolio.

Projects

OpsTrack — *React 18, TypeScript, Node.js, Express, PostgreSQL, Python, FastAPI, Docker, Railway, GitHub Actions* 2026

- Architected a full-stack defect tracking dashboard for aerospace maintenance workflows with JWT authentication and role-based access control (Admin/Supervisor/Viewer) to protect mission-critical operational data.
- Built an AI-powered defect pattern analysis microservice (Python, FastAPI, Claude API) and a pandas CSV pipeline with atomic PostgreSQL transactions for up to 500 records, ensuring audit-grade data integrity.
- Deployed a multi-service Docker architecture on Railway with a GitHub Actions CI/CD pipeline covering lint, typecheck, build, and image validation across four services.

F1 Pulse — *Next.js 16, React 19, TypeScript, Tailwind CSS 4, D3.js, Framer Motion, OpenF1 API* 2026

- Built a server-rendered Formula 1 season tracker with Next.js 16 ISR and the OpenF1 API, delivering live race telemetry (positions, tire stints, pit stops) with sub-second refresh cycles.
- Engineered an animated D3.js championship points chart across a 24-race season, a championship math calculator, and per-weekend weather forecasts via the Open-Meteo API.
- Delivered a fully responsive TypeScript codebase with Tailwind CSS 4 and Framer Motion animations, leveraging ISR for fast time-to-interactive across content-heavy pages.

Robo Mania STEM Learning — *React.js, React Router, CSS3*

2024

- Engineered a responsive STEM education platform using React.js, React Router, and CSS3 to optimize user navigation for course enrollment.
- Developed a modular library of reusable UI components and dynamic pages to ensure a scalable codebase and consistent branding across the platform.
- Implemented interactive elements and high-performance media assets to increase student engagement and streamline the registration workflow.

CarHub — *Next.js 13, React, TypeScript, Tailwind CSS, HeadlessUI, REST APIs*

2023

- Built a full-stack car browsing app with dynamic search and multi-filter support (manufacturer, model, fuel, year, drive type, transmission) consuming the Cars by API Ninjas and CarImages REST APIs.
- Engineered a batched API fetching strategy with configurable delays and a useRef cache to stay within free-tier rate limits, eliminating redundant network calls on filter changes.
- Layered client-side filtering on top of cached API results for unsupported parameters (drive type, transmission) by splitting useEffect logic so data re-filters instantly without new API calls.

Education

Texas A&M University College Station, TX

Aug 2020 – Dec 2025

Bachelor of Science, Political Science — Aggie Coding Club, Breakaway Ministries Volunteer

Frontend Simplified Bootcamp

Apr 2022 – Aug 2022

Full-Stack Frontend Development