Daniel Briseno

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Education

Purdue University, Northwest: B.S. Computer Science
Relevant Coursework: Data Structure & Algorithms, Computer Architecture & Assembly, Computer Science Principles, C Programming, Object-Oriented Programming in Java, Operating Systems, Artificial Intelligence, Databases, Networking Programming

Technical Skills

Languages: JavaScript, TypeScript, Java, C, Python, SQL
Frameworks & Tools: React, Tailwind CSS, TanStack React Query, Redux Toolkit, Node.js, Express, PostgreSQL, Supabase (Auth, DB, Storage), Git, GitHub, Postman, Figma, Chrome DevTools, Jira, Vercel, VS Code, Linux, Ubuntu

Work Experience

Founder & Full-stack Developer - SchoolEm (November 2025 – Present)
· Architected and deployed a university-focused social platform using React, Supabase (Auth/DB/Storage), and PostgreSQL, implementing authentication, protected routes, and feed-based content systems
· Designed relational schemas and built RESTful APIs with row-level security (RLS), triggers, and optimized indexing to support scalable user interactions
· Led the development and evolution of SchoolEm from concept to deployed platform, overseeing architecture, feature prioritization, and system optimization
· Managed end-to-end product development, including schema design, feature iteration, performance optimization, and deployment via Git/GitHub workflows

Merchant - Costco (August 2023 - Present)
· Collaborated with team members to meet daily operational efficiency goals
· Drove sales by directing customers to products efficiently and increased inventory throughput by ~10% through high-efficiency stocking and workflow optimization
· Directed team workflow during peak seasonal periods by reallocating staff to high-priority areas, improving restocking efficiency and reducing floor delays

Projects

[University Social Feed Platform](#)– Full Stack Developer
· Stack: React 18, React Router, Vite, TanStack React Query, Tailwind CSS, Supabase (Auth/DB/Storage), PostgreSQL (PL/pgSQL, triggers, RLS)
· Built a university social feed with authentication + protected routes, profiles, follow system, and unified content types (posts/threads/quickies).
· Implemented async Supabase queries with cache refetching for dynamic UI updates and state synchronization
· Implemented Postgres feed + detail functions (cursor pagination + per-user "liked" flags via auth context) and trigger-driven notifications/counters for likes/comments/follows.
· Improved performance with targeted indexes (author/publication, followers by username, comments/likes lookups) and client-side image downscaling/compression (multi-MB → ~sub-100KB typical) for faster rendering + lower storage/bandwidth.

[BlogIt (Dynamic Blog Post Application)](#) – Full Stack Developer
· Stack: Node.js, Express.js, PostgreSQL, EJS, Passport.js, Multer
· Added responsive design and asynchronous UI updates to improve user experience
· Built a CRUD blog platform with likes/comments, secure authentication (Google OAuth), and image uploads

[WorldWise – Front End](#)
· Stack: React 18, React Router, Vite, Leaflet/React-Leaflet
· Optimized load time with lazy-loading, improved user engagement with interactive maps.
· Implemented global state (Context/useReducer), custom hooks, ProtectedRoute, and JSON Server.

Volunteering

Chicago Family Health Center (August 2011 – August 2023)
· Actively involved in the continuous development of culture and community service, including assisting patients, organizing and executing events, and catering to children and those in need.

License & Certifications

· Programming with JavaScript — Meta (JavaScript)

· Ultimate React Course — Udemy (React, Next.js, Redux, Tailwind CSS, Styled-components, Supabase)