

CHASE BROCK

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| cbrock.dev

EDUCATION

University of Houston

B.S. in Computer Science, Software Engineering Capstone

Houston, TX

December 2026

Lone Star College

Associate of Science

Kingwood, TX

December 2023

Relevant Coursework

C++ Programming, Algorithms, Data Structures, Computer Org. & Architecture, Database Systems, Computer Networks, Digital Image Processing, Discrete Math, Automata & Computability, Operating Systems

TECHNICAL SKILLS

Languages: C/C++, JavaScript/TypeScript, Python, SQL, PHP

Frameworks/Libraries: React, NextJS, NodeJS, Vite, TailwindCSS, REST, gRPC, TanStack Query

Technologies: HTML/CSS, Git, Docker, AWS, GCP, PostgreSQL, MongoDB, Supabase, Firebase, Vercel, Redis, WordPress

PROFESSIONAL EXPERIENCE

Full Stack Developer

Blueprint Holdings LLC

May 2024 - Present

Spring, TX

Blueprint Platform | Next.js, TypeScript, React, Tailwind CSS, Supabase, TanStack Query, WordPress, PHP

- Led development of the Blueprint Platform, a suite of tools for creators including **Blueprint Creative** (content pipeline management) and **Blueprint University** (online course platform), used by thousands of creators worldwide.
- Engineered user-driven features such as custom field builders, a learning management system, and fuzzy search with Levenshtein distance, improving idea discovery at scale and streamlining content planning workflows.
- Architected a scalable front end with Context API and custom React hooks for efficient shared state across real-time sessions; deployed via Vercel.
- Designed and optimized a PostgreSQL schema with relational integrity and indexing strategies that reduced query latency by **70%** on key endpoints.
- Scaled Blueprint University to **700,000+ visits and \$30,000 in revenue** within the first year.
- Captured over 8,000 newsletter subscribers and grew a 800+ member Discord community.
- Built custom REST API endpoints handling 5,000+ daily requests with robust error handling and rate limiting, while maintaining 99.8% uptime through automated monitoring and backups.

IT Intern

Humble ISD

June 2021 - September 2021

Humble, TX

- Assisted with software and hardware setup/installation/updates, technical help desk support, etc.

PROJECT EXPERIENCE

cbrock.dev | Next.js, TailwindCSS, Supabase, TanStack Query

June 2025 - Present

- Developed and deployed a fully responsive, SEO-optimized personal website using Next.js and TailwindCSS, showcasing technical projects and resume with dynamic routing and metadata
- Integrated Supabase for managing contact form submissions and project data, and used TanStack Query for efficient client-side caching and real-time UI updates

WP Bulk Email Password Reset Plugin | WordPress, PHP, JavaScript

December 2024

- Developed a lightweight WordPress plugin for bulk password reset emails, designed for large-scale user migrations
- Implemented asynchronous email sending as background processes using AJAX for real-time logging and improved efficiency whilst avoiding overloading SMTP servers
- Processed thousands of email queue items using batch processing

LazyEstate (HackUTD X) | React, Vite, JavaScript, HTML, CSS

November 2023

- Developed a web application in 24 hours that analyzes users' financial metrics to determine home purchase eligibility
- Implemented dynamic financial calculations for loan-to-value and debt-to-income ratios using JavaScript
- Built responsive user interface with React components to handle form inputs and display personalized feedback