

# CHASE BROCK

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## EDUCATION

### University of Houston

B.S. in Computer Science, Software Engineering Capstone, 3.5 GPA

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 Creative | Next.js, TypeScript, Tailwindcss, Supabase, TanStack Query

- Spearheaded the development of a production-grade, fully responsive web app using TypeScript, Next.js, React, and Tailwind CSS, designed for planning, scripting, and managing YouTube content pipelines
- Engineered dynamic, user-driven features including custom field builders, multi-step modals, and fuzzy search with ranked results, enabling creators to efficiently manage and surface thousands of ideas in real time, significantly reducing content planning friction
- Architected a scalable front-end using Context API and custom React hooks for efficient shared state across collaborative real-time sessions; deployed seamlessly via Vercel
- Designed and optimized a PostgreSQL schema with relational integrity and indexing strategies that reduced query latency by 70% on key endpoints

Blueprint University | WordPress, PHP, JavaScript, HTML, CSS

- Built and helped scale online course platform to 700,000 visits and over \$30,000 in revenue in under one year
- Captured over 8,000 email leads for weekly newsletter and accumulated over 800 community Discord members
- Implemented automated backup systems and monitoring alerts, achieving 99.8% uptime
- Built custom REST API endpoints handling 5,000+ daily requests with proper error handling and rate limiting

### 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

**HackUTD X Hackathon** | 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