CHASE BROCK

(832) 544-0569 | chase.p.brock@gmail.com | linkedin.com/in/chasepbrock | cbrock.dev

EDUCATION

University of Houston — Houston, TX
B.S. in Computer Science, Software Engineering Capstone, 3.5 GPA — *December 2026*

Lone Star College — Kingwood, TX
Associate of Science — *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

EXPERIENCE

Full Stack Developer — May 2024 - Present
Bluprint Holdings LLC — *Spring, TX*

Bluprint 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

Bluprint 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 — June 2021 - September 2021
Humble ISD — *Humble, TX*
- Assisted with software and hardware setup/installation/updates, technical help desk support, etc.

PROJECTS

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