Greg Johnson

PLACEHOLDER

Full Stack Software Developer

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papermaxx.net

Summary

Full stack software developer experienced across SQL, C# APIs, AWS, and React, from enterprise data changes affecting millions of rows to products built and run end to end. Founder of PaperMaxx, a live MMA prediction platform, and lead developer of Open Source Climbing, a training app in active use by a college climbing team.

Experience

CoStar Group, Software Developer II (promoted from Associate) July 2023 – Present

- Executed enterprise production data patches affecting millions of rows, sampling exact changes with stakeholders before release to catch incomplete requirements early
- Delivered urgent data patches within a day during production issues by triaging impact, identifying affected records, and tracing downstream dependencies
- Built and maintained C# APIs and long-standing SQL jobs behind customer-facing data
- Shipped full stack features from database to API to UI using React, Tailwind, and micro frontends

cBEYONData (formerly Alta Via Consulting), Consulting Intern May 2019 – June 2023

- Supported a multi-million-dollar US Army database through data cleansing and Tableau visualization, and presented briefings on building an Army data science capability

Projects

PaperMaxx, Founder and Sole Developer papermaxx.net

- Built and operated a live MMA prediction platform on Next.js, AWS Lambda, RDS Postgres, and DynamoDB, including an AI forecast engine using Claude on Amazon Bedrock
- Designed a trigger-based audit ledger for in-app currency and migrated production balances with a snapshot-backed rollback plan and a clean reconciliation
- Analyzed 84k Lambda invocations in CloudWatch Logs Insights, traced 91% to server rendering, and added caching that reduced fight page response times from 357-661 ms to 200-324 ms
- Reduced mobile LCP from 6-7 s to about 2 s through a server-rendered SEO overhaul, and protected the application with CloudFront and AWS WAF

Open Source Climbing, Lead Developer 2026 – Present

- Led development of a training app and installable PWA on Next.js, Cloudflare Workers, and Supabase, with row-level security for athlete, coach, and admin roles, in active use by the VCU Climbing team and another coach
- Taught a junior developer to code and mentored them on the project

VCU RamHacks Hackathon, Competitor 2019 – 2021

- Won 1st overall in 2021 with a sentiment analysis dashboard for Bank of America; placed 1st in category in 2019, 2nd in 2020

Skills

- **Languages:** C#, Python, TypeScript, JavaScript, SQL
- **Front End:** React, Next.js, Tailwind CSS, Micro Frontends, PWAs
- **Back End & Data:** REST APIs, PostgreSQL, DynamoDB, Supabase, Production Data Patching, Git
- **Cloud:** AWS (Lambda, API Gateway, RDS, DynamoDB, Bedrock, SQS, SES, EventBridge, CloudFront, WAF, CloudWatch), Cloudflare Workers, Vercel

Leadership

VCU Climbing, Founder and Former Head Coach (still basically the head) January 2021 – Present

- Founded the club and grew it past 200 members by 2022; built the curriculum and led practices, logistics, and competition coaching for a team of 20-25 athletes
- Managed a small fundraising budget and personally funded a scholarship; placed 1st at Crux 2022, 2nd at Crux 2024, and 3rd at Reach Out 2024

Education

Virginia Commonwealth University, B.S. Computer Science (Data Science, Software Engineering)