

Austin Cavanagh

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TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, C++, Java, ARM Assembly, HTML5, CSS3, SQL

Technologies: React, Next.js, Redux, NodeJS, Express, Prisma, MongoDB, PostgreSQL, Jest, Cypress, Webpack

DevOps & Tools: Docker, GitLab CI/CD, Stripe, PayPal, Postman, Git, AWS (EC2, ECR, RDS, S3)

EXPERIENCE

React Query Rewind (Open Source)

San Francisco, CA

Software Engineer

Jan. 2024 – Present

- Engineered an extension of TanStack Query with 5,000 weekly downloads, introducing time-travel debugging for enhanced React state management, simplifying developer workflows and reducing error resolution time
- Designed custom React hooks to monitor and transmit state changes to Chrome DevTools via content scripts and service workers under Manifest V3, enabling data visualization for development and troubleshooting
- Implemented client-side fetch logic to monitor query performance metrics such as execution time, success, failure, and retry rates, facilitating data-driven optimizations to increase application efficiency
- Applied the 'chrome.runtime' API for message passing and event handling within Chrome Developer Tools

Crafts by Jules (Freelance)

San Francisco, CA

Software Engineer

Jan. 2024 – Mar. 2024

- Built an eCommerce website with Next.js, leveraging React Server Components to optimize server-side rendering, improve page load times, and enhance user experience with dynamic routing and state management
- Integrated Stripe and PayPal for seamless user payments, implementing embedded checkout and webhooks to capture completed orders in real-time, streamlining the payment process and enhancing transaction efficiency
- Utilized AWS services including EC2 for scalable computing, ECR for container management, RDS for relational databases, SES for email dispatch, and S3 for storage, to build a robust and scalable infrastructure

Goldratt Consulting

San Francisco, CA

Strategy & Implementation Consultant

Sep. 2020 – Feb. 2023

- Led engagement to reduce Air Force spare parts manufacturing lead times, crafting a roadmap via discussions with 20 senior military & civilian leaders across 3 hubs, enhancing parts availability and production agility
- Employed SQL to migrate engineering documentation for a commercial spaceflight company, resulting in improved task dependency representation, scope elimination, and a 6-month reduction in the project timeline
- Produced VBA scripts to automate the creation of 10 key fleet health metrics for 15 aircraft, reducing key metric production time by 90% and informing strategic decisions in weekly briefings to the Colonel
- Devised and implemented a scheduled maintenance solution for a fleet of 8 Air Force C-130s, resulting in a 42% increase in available aircraft and a 30% reduction in maintenance WIP over a 6-month period

EDUCATION

Georgia Institute of Technology

Atlanta, GA

M.S. in Computer Science

(Expected) Spring 2025 – Fall 2026

Codesmith

San Francisco, CA

Full Stack Web Development Bootcamp

Jan. 2024

University of California, Berkeley, Haas School of Business

Berkeley, CA

B.S. in Business Administration

May 2020

ADDITIONAL

Interests: Searching for the best pizza, training my dog, riding motorcycles, snowboarding, and playing chess