HANIF CARROLL

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Summary

Full-stack engineer with 7+ years of experience. I'm most effective when I can own features end-to-end and stay connected to how they land with users.

Skills

- **Technical**: React | TypeScript | JavaScript | Next.js | HTML | CSS | Tailwind | Node.js | Docker | Git
- **Product**: User Research | Product Strategy | Prototyping | Problem Validation | MVP Development | Agile | Testing

Work Experience

Full-stack Software Engineer   **Freelance**   **Sep 2024 — Current**

AI Video Generation Platform

- Built end-to-end ML inference pipeline: Dockerized diffusion model, deployed to serverless GPU, integrated with Next.js application
- Architected a distributed video processing pipeline using pg-boss and Node.js, implementing idempotent retry logic and rate limiting to manage concurrent workloads across 10+ external AI providers (OpenAI, Runway, Kling).
- Engineered a custom two-pool credit billing system with Stripe integration; implemented per-user distributed locking to prevent race conditions and ensure financial accuracy during parallel usage.
- Modernized frontend architecture by migrating to TanStack Query and Zustand, enabling optimistic UI updates for real-time tracking of long-running video generation jobs.

Social Events Platform

- Led the migration to a TypeScript Monorepo, implementing shared Zod schemas to enforce type safety across the stack; this significantly reduced integration bugs and improved developer velocity for the junior team.
- Established strict CI/CD and Code Quality standards, migrating the API layer to typed services and eliminating technical debt to prepare the platform for public scale.

Senior Front End Engineer   **Nearsure**   **Feb 2023 — Feb 2024**

- Improved efficiency and user satisfaction for 3,000+ sports organizers by engineering an interactive, user-friendly scheduling tool.
- Enhanced mobile experience by developing an optimized list view that enabled rapid event editing on mobile devices.

Front End Engineer   **LeagueApps**   **Nov 2021 — Feb 2023**

- Reduced scheduling time by 45% and enhanced UX by implementing an intuitive drag-and-drop scheduling grid.
- Built comprehensive reporting modules with AG Grid, focusing on clear data presentation for event planning and analysis.
- Eliminated team double-booking issues by engineering an automated conflict detection system with clear user notifications.
- Established a standardized front-end component library using Styled Components and Storybook, ensuring consistent user experience across the application.

Software Developer   **Capgemini**   **Jan 2019 – Oct 2021**

- Boosted development productivity by reducing test suite execution time by 60% (~20 min/cycle).
- Designed and implemented executive KPI dashboards, focusing on clear data visualization for leadership decision-making.

Featured Projects

- **HablaBA** - Built and launched a full-stack MVP after leading the complete product cycle: identified gaps in the market after running user discovery interviews (15+ participants), defined requirements, designed prototypes, implemented features using AI-assisted development, and conducted usability testing.
- **Vox Prismatic** - Designed and deployed a full-stack AI SaaS MVP that processes client call transcripts then generates and schedules LinkedIn posts, streamlining coaches' and consultants' content workflows.
- **Joplin Product Strategy Analysis** - Analyzed 750+ user feedback entries using an AI-powered pipeline to surface key product issues. Developed a data-driven roadmap prioritizing sync reliability and UI improvements, demonstrating strategic product thinking and technical execution for open-source software.

Education

- **B.S. in Health Sciences,** University of South Florida