

ARYAN TANDON

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SUMMARY

Full-stack engineer with 1.5 years of professional experience and an MS in Computer Science. Built and shipped production features in .NET/Angular at a clinical research organization, with hands-on side projects in AI integration (Claude API, RAG), real-time systems (WebSockets), and mobile (SwiftUI). Comfortable owning features end-to-end, from schema design to deployed UI. STEM OPT authorized, no sponsorship needed for up to 3 years.

TECHNICAL SKILLS

Languages: C#, TypeScript, JavaScript, Python, SQL, Swift

Frameworks: ASP.NET Core, Angular, React, React Native, Next.js, Node.js, Express, Django, FastAPI

AI & LLM: Claude API, Anthropic SDK, ChromaDB, RAG Pipelines, Transformers.js, Prompt Engineering

Cloud & DevOps: Azure (CI/CD), Docker, Git, Vercel, Render

Databases: SQL Server, PostgreSQL, MongoDB, ChromaDB, Prisma ORM

EXPERIENCE

Software Developer — Medpace

Cincinnati, OH | Aug 2022 – Dec 2023

- Modernized legacy HR application by migrating to Angular and ASP.NET Core, significantly improving page load performance and reducing technical debt; replaced synchronous patterns with async/await, refactored monolithic code into modular architecture, and migrated infrastructure to Azure with CI/CD pipelines
- Automated employee onboarding/offboarding workflows using .NET hosted services across 5 integrated systems, verified via system logs, reducing processing time from 3 days to 2 hours as reported by business stakeholders
- Engineered RESTful API to automate employee evaluation retrieval, eliminating a previously manual data entry process and reducing operational overhead for 20+ HR staff members, with key features utilized by C-level executives.
- Resolved 35+ production bugs tracked via Azure DevOps, visibly reducing open bug count and improving application stability

Software Engineer Intern — Claritas LLC

Cincinnati, OH | Dec 2021 – May 2022

- Built 12+ responsive intranet pages in React to replace a slow legacy system and outdated UI; validated impact via post-launch survey of 25 employees, all of whom rated the new experience positively
- Built 25+ reusable React components as part of a company-wide design system, establishing architecture patterns intended for adoption across all products
- Strengthened application security by implementing role-based route access control across 3 permission levels, closing gaps that had allowed unauthorized navigation to restricted pages

PROJECTS

NPL Auction Game | Next.js, Node.js, Socket.io, PostgreSQL, Claude API | [Live Demo](#)

2025

- Built a real-time multiplayer cricket auction game using Next.js 14, Node.js/Express, and Socket.io; implemented a full server-side state machine handling bid validation, timer management, phase transitions, and a lucky draw tiebreaker system across up to 8 concurrent teams
- Integrated 82 real Nepal Premier League player records and seeded into PostgreSQL via Prisma, with a calibrated quality-scoring formula and role-aware stat display driving auction decisions
- Designed an AI bot system with 5 distinct bidding personalities backed by a heuristic decision engine, architected for Anthropic Claude API integration; server-side bot runner supports abort-signal cancellation and staggered think delays simulating realistic opponents
- Implemented Auth.js v5 authentication supporting Google OAuth and email magic links, with JWT sessions, persistent user profiles, and seamless guest-mode fallback using localStorage identity
- Designed and shipped a polished auction UI with stacking bid notifications, a live squad builder, team purse tracking, and animated overlays — optimized across the full auction flow from marquee draw to unsold-player rounds

Lost & Found | Swift, SwiftUI, Firebase

2025

- Built iOS app for university students to post and search lost/found items; integrated Firebase Auth, Firestore, Cloud Storage, and in-app messaging

EDUCATION

M.S. Computer Science — University of New Haven

West Haven, CT | Aug 2024 – May 2026

GPA: 3.7 / 4.0 | Graduated May 2026

B.S. Computer Science — Northern Kentucky University

Highland Heights, KY | Jan 2020 – Dec 2023

GPA: 3.7 / 4.0