

# IAN MANN

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## - TECHNICAL SKILLS -

TypeScript, JavaScript (ES6+), React, Next, Vite, Node, Express, SQL (PostgreSQL), NoSQL (MongoDB, Supabase), AWS (RDS, DynamoDB, S3), Git/Github Workflow, Redux, React-Router, RESTful APIs, Tailwind CSS, GSAP, CI/CD with Vercel, Docker, OAuth, Jest, HTML5, Sass + CSS, Webpack, Jira, Tensorflow.js, Microsoft Azure, OpenAI, Pandas, Python, C++, Figma, ArcGIS, WordPress

## - EXPERIENCE -

**Software Engineer - *NextLevel*:** *Metric Tracking Dashboard For Next.js Applications* **Open Source** || May 2024 - Dec 2024

- Designed a performance dashboard in Next.js, implementing incremental static regeneration for real-time metric updates, dedicated API endpoints for tracking, and modular layouts to streamline development and ensure maintainability
- Integrated an Express.js and Node.js backend, building middleware for CORS management and request validation while structuring authentication flows and optimizing MongoDB queries for efficient, scalable data operations
- Developed a React-based application, engineering custom hooks for modular data fetching, component-based metric visualization, and centralized state management with Redux to ensure instant updates and fluid user interactions
- Implemented authentication in NextAuth and OAuth, configuring Google and GitHub providers, refining session callbacks for enriched user data, and managing JSON Web Tokens for secure, efficient role-based access control
- Configured a NoSQL database in MongoDB, designing a flexible and scalable schema-less architecture to manage user profiles and application metrics while optimizing data retrieval and backend security
- Optimized the build process using Webpack within Next.js, executing tailored CORS headers for enhanced API compatibility and embedding instrumentation hooks for stable performance monitoring and actionable insights

**Marketing Intern - *EGA Homes*:** *Real Estate Agency for Veterans* Jan 2023 - Jun 2023

- Collaborated in a cross-functional environment to plan and design a front-end website, creating interactive prototypes in Figma to visualize user flows and align design elements with project goals and specific client interaction
- Created and continually customized a website using WordPress, applying HTML and CSS to enhance layout and design, and ensuring a responsive and user-friendly experience across devices

**Marketing Assistant - *MG3 Media*:** *Real Estate Marketing* Feb 2022 - Jun 2023

- Applied and managed a data-driven social media marketing campaign using API analytics and basic scripting (Jupyter + Pandas) to automate data collection, track engagement benchmarks, and optimize posting schedules, increasing user engagement by 810%

## - PROJECTS -

**Software Engineer - *VerifyAI*:** *AI-Powered Website Compliance Verification* Jan 2025

- Generated a responsive UI with React and Tailwind CSS, creating reusable components, optimizing layout structures for different screen sizes, and implementing styling to create a smooth and interactive interface for users
- Embedded OpenAI and Pinecone for content analysis, leveraging vector embeddings to enhance similarity searches, optimize query performance, and enable high-accuracy retrieval in AI-driven verification workflows
- Incorporated UI animations using GSAP, enhancing user interactions with fluid transitions, staggered animations for content loading, and performance-optimized motion effects to improve engagement without sacrificing responsiveness

## - EDUCATION -

**Codesmith - AI/ML Technical Leadership Program**

**The University of California, Riverside - School of Business Administration**

*Bachelor's Degree in Finance*

- **Relevant Coursework:** *Intro to Computer Programming - Intro to Computing(Data Structures) - Computer Science for Science, Math & Engineering I & II (C++ and Python) - Information Technology Management(SQL and NoSQL) - Business Application of GIS (GIS)*
- **Achievements:** *2022 UCR President of the Year - 2023 UCR Career Success Program Certificate of Achievement - UCR Chancellor's List - UCR Achievement Scholarship - Ethical Decision-Making Certification*

## - TALKS AND PUBLICATIONS -

**Tech Talk Sponsored By Scismic - "A Deep Dive Into Neural Networks"** Jul 2024

**Medium Article - "NextLevel: Optimize Your Next.js Applications"** Aug 2024

## - MORE ABOUT ME -

**Hobbies:** Finding new places to fish, trying to climb the chess.com ranks, and making new playlists on Spotify