

# IAN MANN

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## - TECHNICAL SKILLS -

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

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## - EXPERIENCE -

**Software Engineer** || *NextLevel* - *Metric tracking dashboard for Next.js application* **Open Source** || *May 2024 - Present*

- Designed a performance dashboard using Next.js, implementing incremental static regeneration for real-time metric updates, custom API routes for performance tracking, and reusable layouts to streamline development and enhance maintainability
- Integrated Express.js and Node.js to develop a secure and efficient backend, building middleware for cross-origin request handling and validation while enabling API routes for authentication and MongoDB data operations
- Developed a dynamic application with React, utilizing custom hooks for modular data fetching, reusable components for metric visualization, and centralized state management with Redux to enable real-time updates and improve interactions.
- Implemented secure authentication using NextAuth.js and OAuth (Google, GitHub), delivering a reliable login system that simplifies account management and upholds best practice security standards
- Developed interactive visualizations with Chart.js, creating reusable wrapper components for consistent configuration, integrating dynamic data from custom hooks, and tailoring charts for real-time metric updates and user analysis
- Configured a NoSQL database with MongoDB, designing a flexible and scalable schema-less architecture to manage user profiles and application metrics efficiently, ensuring quick data retrieval and high-performance back-end operations
- Optimized the build process using Webpack within Next.js, implementing custom CORS headers for enhanced API compatibility and experimental instrumentation hooks for advanced performance monitoring and actionable insights

**Marketing Intern** || *EGA Homes* - *Real Estate for Veterans* *Jan 2023 - June 2023*

- Collaborated with a team of interns in planning and designing 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 - June 2024*

- Developed and implemented 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, successfully enhancing user engagement by 410%

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## - OPEN SOURCE PROJECTS -

**Software Engineer** || *LunchBox* - *Meal prep planner and tracker* *July 2024*

- Utilized PostgreSQL to design individualized schemas and optimize query performance, implementing tailored indexing strategies and streamlined data workflows to enhance scalability and efficiency
- Constructed unit and integration tests with Jest to validate core functionality, API endpoints, and user interactions, addressing bugs to enhance code reliability and application performance; achieved 70% test coverage

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## - EDUCATION -

**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*

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## - TALKS AND PUBLICATIONS -

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

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

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## - INTERESTS AND HOBBIES -

**Hobbies:** Finding new places to fish, trying to climb the chess.com ranks, and hiking on trails with amazing views

**Interests:** Guitar, DJing, Music Creation, Neural Networks/Machine Learning, Rental Arbitrage