

# IAN SIATS

Full-Stack Web Developer

iansiats9@gmail.com | Colorado, USA | [github.com/Turbo9k](https://github.com/Turbo9k) | [iansiats.vercel.app](https://iansiats.vercel.app)

## PROFESSIONAL SUMMARY

Self-taught Full-Stack Web Developer seeking an entry-level position to launch my professional career. Through intensive self-directed learning, I have developed strong proficiency in modern web development technologies including React, Next.js, TypeScript, and full-stack JavaScript development. My portfolio demonstrates hands-on experience building production-ready applications with complex features such as payment processing, authentication systems, and responsive user interfaces. Highly motivated, detail-oriented, and committed to writing clean, maintainable code that follows industry best practices.

## FEATURED PROJECTS

### Full-Stack E-Commerce Platform (2024) — Live Demo | GitHub

<https://ecommerce-store-mu-five.vercel.app>

<https://github.com/Turbo9k/Ecommerce>

Built and deployed a full-stack e-commerce application supporting end-to-end shopping and checkout functionality. Implemented secure payment processing using Stripe, dynamic inventory management, and real-time order tracking. Developed a responsive UI for seamless cross-device experience.

- Implemented secure Stripe payment workflow with webhook validation and error handling
- Built RESTful API with authentication, product filtering, and cart management
- Designed relational PostgreSQL schema with optimized queries for fast product and order retrieval
- Developed admin dashboard with order management and sales tracking

*Tech Stack:* React • Node.js • Express.js • PostgreSQL • Stripe • REST APIs • JWT Auth • Tailwind CSS

### Task Management App (2024) — Live Demo | GitHub

<https://task-managment-mauve.vercel.app>

[https://github.com/Turbo9k/Task\\_management](https://github.com/Turbo9k/Task_management)

Developed a real-time collaborative task management platform enabling team task sharing, project tracking, and synchronized updates. Built a websocket-powered architecture to support multi-user state updates.

- Implemented real-time communication using Socket.io for instant updates
- Built secure role-based access control with protected routes
- Created RESTful API for tasks, projects, and activity tracking using Express.js
- Designed relational MySQL schema ensuring data integrity for users, teams, and permissions

*Tech Stack:* Vue.js • Node.js • Express.js • Socket.io • MySQL • REST APIs • RBAC • Session Auth

### Enterprise Admin Dashboard (2024) — Live Demo | GitHub

<https://cognivex.vercel.app>

<https://github.com/Turbo9k/cognivex>

Engineered a full-stack enterprise dashboard with role-based access control (RBAC), authentication, and data visualization capabilities. Built with Next.js 14 App Router and TypeScript for type-safe development and efficient routing.

- Implemented JWT authentication + RBAC to secure protected routes
- Leveraged Next.js 14 App Router for SSR and dynamic routing
- Designed MongoDB models and API routes for efficient data retrieval
- Built reusable UI components with Tailwind CSS utility-first patterns

*Tech Stack:* Next.js 14 • TypeScript • Tailwind CSS • MongoDB • JWT Auth • Server Components • API Routes

## Advanced Calculator Application (2024) — GitHub

<https://github.com/Turbo9k/Calculator>

Developed a scientific calculator supporting advanced math functions, calculation history, and persistent data storage. Applied modular code architecture and intuitive UI/UX design for accessibility and performance.

- Built reusable JavaScript functions supporting 50+ scientific operations
- Implemented LocalStorage for multi-session data persistence
- Designed mobile-responsive UI with error handling and keyboard support
- Added animated UI interactions for enhanced usability

*Tech Stack:* JavaScript (ES6) • Python • CSS3 • LocalStorage • HTML5 • DOM Manipulation • UI/UX

## TECHNICAL SKILLS

### Frontend:

React • Next.js • TypeScript • JavaScript (ES6) • HTML5 • CSS3 • Tailwind CSS • Responsive Web Design • UI/UX

### Backend & Databases:

Node.js • Express.js • Python • REST APIs • PostgreSQL • MongoDB • JWT Auth • CRUD • MVC Architecture • API Integration

### Tools & Technologies:

Git • GitHub • Vercel • Stripe • Docker (basic) • D3.js • CI/CD • Linux • Agile Scrum • Figma • Unit Testing • Postman • VS Code

## LEARNING JOURNEY & EDUCATION

Self-Directed Full-Stack Web Development Program (2022 - Present)

Completed coursework in JavaScript ES6, React, Next.js, Node.js, TypeScript, and modern web development frameworks through online platforms, documentation, and hands-on projects.