

# Peter Ciluzzi

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Innovative and detail-oriented **Software Developer** with expertise in **JavaScript, React, Express, MongoDB, and SQL**. Passionate about building scalable full-stack applications and optimizing user experience. Adept at problem-solving, Agile Methodologies, and continuously learning new technologies to drive business success.

## Technical Skills

**Languages:** JavaScript, TypeScript

**Frontend:** HTML, CSS/SCSS, React, Redux, Material UI, Bootstrap

**Backend & DevOps:** Node, Express, Git, Heroku, Docker, AWS

**Database:** MongoDB, Mongoose, SQL, PostgreSQL

**Testing, Auth, Security & GenAI:** Vitest, Jest, OAuth, Passport, JWT, Joi, Helmet, Github Copilot, Cursor AI

## Professional Experience

**Software Engineer | Gigpromoter** (<https://gigpromoter.com>)

March 2022 - Present

- **Developed and launched** an event management platform that empowers independent artists to book and promote live shows efficiently
- **Architected** a full-stack web application using **NodeJS, Express, and MongoDB** to streamline event booking
- **Improved artist workflows**, reducing learning curves from 1–2 years to a seamless onboarding process
- **Boosted search engine ranking to top 10** on Google for “concert promotion software” through strategic **SEO keyword placement**
- **Developed automated email reminders** using **AgendaJS** and **SendGrid API**, executing jobs with **CRON expressions**
- **Built a dynamic event creation system:** stored forms as **MongoDB models**, rendered via **ExpressJS**, and displayed using **EJS templating**
- **Implemented authentication & authorization** via **PassportJS & Express middleware**, ensuring secure user access
- **Integrated Stripe payment system**, enabling premium features for paid users with **secure payment validation**
- **Hardened security** by implementing **CSP directives, data-validation, and XSS protection** with Joi and Helmet
- **Deployed and maintained** staging & production environments on **Heroku**, ensuring smooth testing and development

## Projects

**Event Flying Locator** (<https://flying-locator-app.peterciluzzi.dev>)

- **Developed a location-based web app** to help artists find optimal flying locations for event promotion
- **Built a dynamic UI with React & Redux**, allowing users to select city, state, and location type
- **Integrated Google Maps API** to provide location recommendations based on user inputs
- **Leveraged Redux state management**, ensuring smooth data flow and seamless user experience
- **Styled UI** using **Material UI** and **SCSS**, creating a responsive and visually appealing application

**Guitar Chord Finder** (<https://chord-finder-app.peterciluzzi.dev>)

- **Developed a tool** for musicians to explore guitar chords dynamically
- **Built with React & React-Bootstrap**, featuring an intuitive dropdown selection system
- **Implemented React Context API**, enabling seamless state management for chord selection
- **Integrated Uberchord API**, dynamically fetching chord diagrams based on user input
- **Enhanced UI/UX**, making chord exploration interactive and user-friendly

## Education & Foundations

**American School of Lutherie - Contemporary Guitar Design & Construction, 2005**

**Software Development Foundations:** Data Structures and Algorithms; OOP Design Patterns; Functional Programming; Modular Programming; Code Scalability; Agile Development, Scrum & Kanban

## Core Strengths

**Autodidactic Learner** – Continuously mastering new technologies and frameworks

**Problem-Solver** – Strong critical thinking and debugging abilities

**Productivity & Time Management** – Efficiently handles complex projects and deadlines

**Communication & Teamwork** – Effective collaboration with teams, stakeholders, and clients

**Adaptability** – Thrives in dynamic environments, quickly learning and applying new skills

**Curiosity-Driven** – Passion for innovation and improving development workflows