Connor Duggan

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SUMMARY

I am a software engineer with a diverse background in marketing, digital content creation, and music copyright research. My core skills include building and deploying web applications using Ruby, Ruby on Rails, JavaScript, React, and other modern technologies. Because of my experience in marketing, I'm particularly strong at blending user-focused design with product development to create compelling, intuitive software. My strong problem-solving abilities, eye for detail, and effective project management skills help me thrive in fast-paced, collaborative environments and deliver solutions that drive meaningful engagement.

View my portfolio here: devdugz.com

SKILLS

- **Front End**: JavaScript, React, Ruby, Next.JS, Redux Toolkit, HTML, CSS, Tailwind CSS, Typescript
- **Back End:** Node.js, Express, MongoDB, MySQL, RESTful API Development, Ruby On Rails, Python
- **Testing/Deployment:** Mocha, Chai, AWS: EC2, Docker, Heroku, Vercel
- **Developer Tools:** Git, VS Code, Selenium, ChromeDriver, Agile Methodology

CODING EXPERIENCE

Productivity App: *Personal Project*   **2024 - 2025**
- Architected a React productivity app with, RESTful APIs, and Chart.js visualizations. Leveraged Custom Hooks, Context API, React Router, Tailwind CSS, and YouTube iFrame for a responsive UI.
- Designed and implemented a Rails/PostgreSQL backend with session management, and query optimization. Created Pomodoro timers, task management, and analytics dashboards.

Booking Automation Project: *Personal Project*   **2024 - 2025**
- Developed an automated booking system with Python and Selenium WebDriver, while using headless browser automation. Leveraged APScheduler for scheduled tasks and modular design patterns.
- Achieved a 95% booking success rate through robust error handling, retry mechanisms, and intelligent time slot selection, supported by a comprehensive logging system.

Magic Mirror: *Personal Project*   **2024**
- Built a custom Magic Mirror with Raspberry Pi, two-way mirror, and TV display, demonstrating full-stack development from hardware integration to UI. Developed Node.js modules for OpenWeather and iCal, leveraging a modular architecture and test-driven development.
- Employed modern web technologies (Node.js, JavaScript) and Git-based workflows, ensuring real-time weather data, calendar syncing, and a seamless user experience.

PROFESSIONAL EXPERIENCE

Alcove Ridge Consulting, LLC – Contract Role: *Software Developer*   **2024 – Present**
- Architected and implemented interactive front-end web applications using NextJS, React, and Tailwind.
- Collaborated with stakeholders to gather and refine requirements, ensuring alignment with project goals and user needs—shortened development cycles by 20% through clear documentation and backlog prioritization.
- Integrated PostHog web analytics framework into the application, enabling real-time tracking of user behavior and product performance by configuring analytics components and reviewing documentation.

- Improved product insights by 50% (interactions with content), streamlining data collection and analysis to support data-driven decisions for enhanced user experience and business outcomes.
- Implemented efficient version control strategies and documentation standards, fostering consistent collaboration and reducing merge conflicts by 30% across cross-functional teams.
- Developed robust error-handling and logging systems for the production environment, minimizing downtime and ensuring rapid troubleshooting for critical user-facing issues.

Sell Music Academy: *Marketing Manager* 2022 – 2024
- Utilized in-app analytics in conjunction with Google Analytics to design and execute data-driven marketing strategies, boosting user engagement by 50%—demonstrating strong data-analysis skills applicable to software optimization.
- Leveraged A/B testing to boost email open rates from 24% to 30% and click-through rates from 2.4% to 3.1%, applying iterative refinement principles akin to Agile development.
- Implemented scalable audience engagement solutions, mirroring user-centric interface design and driving a 70% lift in product sign-ups.
- Created a range of multimedia content using Photoshop, video editing, and podcast production tools, driving a 30% increase in social media engagement and elevating brand visibility across multiple platforms.

Vapewaukee: *Sales Associate* 2019 – 2022
- Consistently exceeded sales targets by an average of 10%—a result of leveraging analytical insights and user feedback, translating seamlessly into data-driven enhancements for software solutions.
- Delivered exceptional customer service by building strong relationships and providing personalized recommendations, enhancing customer satisfaction and loyalty.
- Analyzed purchasing trends using the company's CRM system to optimize upselling opportunities, increasing average order value by **8%** and demonstrating data-centric decision-making.
- Collaborated with management to streamline point-of-sale workflows, reducing checkout times by **15%** and reinforcing principles of process efficiency relevant to software development.

EDUCATION

Actualize || Chicago, IL 2024 - 2025
Full Stack Software Engineer Certification
- Completed an intensive software engineering program focused on full-stack development.
- Developed expertise in Ruby, Ruby on Rails, JavaScript, React, HTML, and CSS.
- Gained hands-on experience in planning building and deploying web applications.
- Applied the latest coding, debugging, and project management best practices throughout development.

Berklee College of Music || Boston, MA 2020 - 2024
Bachelor of Arts in Music Business
- Applied data-driven analytics to evaluate market trends and user behavior patterns, utilizing statistical analysis tools and visualization techniques.
- Designed and implemented automated workflows for event management, demonstrating ability to architect scalable solutions and optimize processes.
- Led cross-functional teams in launching digital campaigns, employing Agile methodologies to manage project lifecycles and deliverables.
- Leveraged industry tools and platforms to develop digital marketing solutions, showcasing adaptability to new technologies and systematic problem-solving.