

BRANDON EASTWELL

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EXPERIENCE

Full Stack Developer | EASTYS ACCESSORIES

March, 2025 - October 2025

- Led end-to-end development of a full-stack inventory management platform, deploying a FastAPI backend with RESTful services to automate listings, order syncing, and stock updates eliminating 100% of manual input and reducing fulfillment errors.
- Built an interactive React + TypeScript dashboard to track sales trends and optimize inventory decisions in real time.
- Developed a bulk uploader tool that reduced product listing time to minutes, scaling to hundreds of items per batch.
- Set up a CI/CD pipeline with GitHub Actions, cutting deployment time by 70% and catching bugs before production.

PROJECTS

Full Stack Photography Sharing Mobile App

github.com/BrandonEastwell/photography-app

- Designed and launched a cross-platform photo sharing app (React Native + Django + PostgreSQL) with AWS S3 storage, creating a scalable foundation capable of supporting thousands of images.
- Optimized security and user experience with hybrid JWT + session token authentication, protecting accounts while maintaining seamless login flows.
- Implemented enriched photo search powered by EXIF metadata and geo-based filtering, doubling search accuracy and enabling discovery of locally relevant photography.
- Delivered production-ready mobile functionality including image uploads, location tagging, and geodistance search, providing photographers with a professional-grade platform for exposure.

Full Stack Movie Discovery Platform

github.com/BrandonEastwell/movie-discovery-app

- Launched a Next.js-based movie exploration platform integrating TMDB APIs, allowing users to search, track favorites, build watchlists, and discover where films are streaming — eliminating the need to hop between multiple platforms.
- Enhanced performance and visibility by strategically leveraging Next.js server-side rendering and client-side prefetching to optimize SEO and first-load speed.
- Engineered a hybrid recommendation algorithm combining collaborative and content-based filtering, increasing relevance and user engagement with personalized suggestions.
- Designed scalable backend serverless infrastructure with query optimization, indexing, and caching to handle growth in both traffic and user profiles, cutting content recommendation latency by 50%.

Resident Advisor Set Finder Chrome Extension

github.com/BrandonEastwell/ra-set-finder

- Developed a Chrome extension that extracts DJ lineups from Resident Advisor event pages and dynamically surfaces related DJ sets from YouTube using the YouTube Data REST API.
- Built a lightweight Node.js + Express backend proxy to securely handle YouTube Data API requests.
- Integrated client caching to reduce API calls and improve performance by over 40% minimizing API quota usage.
- Implemented a React + TypeScript interface styled with Tailwind CSS for the extension's popup interface.
- Leveraged Chrome's Content Scripts and Manifest V3 to perform secure, CSP-compliant DOM scraping.

TECHNICAL SKILLS

- **Languages:** Java, JavaScript, TypeScript, Python, HTML, CSS
- **Frameworks & Libraries:** React, React Native, Expo, Next.js, Express, Django, Fast API, Tailwind CSS
- **Backend & Databases:** Node.js, SQL, NoSQL, MySQL, PostgreSQL, Prisma, REST APIs, AWS (S3, RDS)
- **Development Tools:** Git, Test Driven Development (TDD), Agile, Jira, React Testing Library, Jest, Figma, Docker, GitHub Actions, CI/CD pipelines

EDUCATION

Bachelor of Science in Computer Science

September, 2021 - July, 2024

University of Essex

- Graduated with a First-Class Honours level degree
- Awarded Dean's list for excellence in years 2021 - 2024