

# OLIVER LISTER

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## PROJECTS

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### MODA-BEYOND E-COMMERCE STORE | [Live Page](#) | [Github Code](#)

TypeScript, React.js, Node.js, Express.js, MongoDB, Redux TK, Stripe, Mantine, Vitest, React Testing Library, Github Pages

- Developed robust authentication logic from scratch utilising JWT access tokens, coupled with database sessions and refresh tokens, to seamlessly persist user state across hard refreshes.
- Constructed a user-friendly search and sort capability for the shop, facilitating efficient product discovery.
- Engineered CRUD endpoints to efficiently manage product listings, user accounts, and authentication processes within the MongoDB database.
- Adhered to Test-Driven Development (TDD) principles by conducting rigorous unit and integration tests using React Testing Library and Vitest. This approach ensured expected outcomes were validated across various stages of the user experience.
- Demonstrated intelligent cart functionality, and utilised Stripe Checkout API to handle payments.
- Implemented protected account routes, allowing authenticated customers to review, edit or delete their account.
- Built a custom CMS allowing inventory management through product creation, editing, and removal functionalities.
- Leveraged the Mantine component library to deliver visually appealing and responsive user interfaces.

### PORTFOLIO WEBSITE | [Live Page](#) | [Github Code](#)

TypeScript, Next.js, Tailwind CSS, Jest, React Testing Library, Zod, Zustand, ZSA, MDX, Axios, Supabase, Cloudflare R2, Vercel

- Developed a custom CMS markdown blog using MDX, with metadata efficiently stored in Supabase.
- Leveraged the AWS SDK S3 client to generate presigned URLs, enabling direct image uploads to a Cloudflare R2 bucket, bypassing the server for improved performance and security.
- Implemented secure server actions with the ZSA library, utilising Zod validation and nested procedures.
- Integrated Supabase Auth for GitHub login, persisting user state globally with Zustand and synchronising authentication sessions using Next.js middleware.

## EDUCATION

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### COURSERA

Meta Front-End Developer Professional Certificate

Sydney, NSW  
Oct 2023-Jan 2024

### AUSTRALIAN INSTITUTE OF MUSIC

Bachelor of Music (Audio)

Sydney, NSW  
May 2017-Dec 2019

## EXPERIENCE

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### SQUEAK E. CLEAN STUDIOS

Music & Audio-Post Producer / WordPress Web Developer

Sydney, NSW  
May 2021-Present

- Redesigned and rebuilt the company website following input from the business's partners, using WordPress FSE.
- Developed a custom child theme of Frost and created bespoke post types and taxonomies to meet the specific content requirements.
- Created custom Gutenberg block plugins using React.js and PHP to query the SQL database, enabling dynamic and tailored content management solutions for the website.
- Orchestrated end-to-end management of music and sound projects, from initial briefing to final delivery, overseeing bookings, accounts, and coordination of composers and engineers.

## LANGUAGES & TECHNOLOGIES

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**Languages:** HTML, CSS, JavaScript, TypeScript, PHP

**Frameworks and Tools:** React.js, Next.js, Node.js, Express.js, Redux Toolkit, Zustand, Stripe, React Testing Library, Jest, Vitest, TailwindCSS, Mantine, Git / GitHub, WordPress, Cloudflare, AWS-SDK, MDX, Axios, Zod, Figma

**Databases:** MongoDB, Postgre SQL, Supabase