

# OLIVER LISTER

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## PROFESSIONAL SUMMARY

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Experienced audio engineer, creative project manager, and self-taught developer seeking to transition into a full-time tech role, with expertise in TypeScript, React, Node.js, and AWS.

## WORK EXPERIENCE

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### SQUEAK E. CLEAN STUDIOS

*Producer / Frontend Developer*

Sydney, NSW  
May 2021-Dec 2024

- Managed teams of 3-5 for music and audio-post projects, handling briefs, client feedback, database management, licensing and was promoted to mid-weight Producer faster than any junior coordinator in company history.
- Redesigned and developed the company website on WordPress, cutting mobile homepage load time by 75%, and delivered an MVP in 4 weeks while managing a full-time workload.
- Built WordPress plugins for custom Gutenberg blocks using React, SASS, and PHP.

## PERSONAL PROJECTS

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### SYLLAFORM | [Live Page](#) | [Github Code](#)

*TypeScript, React, Next.js, PostgreSQL, AWS RDS, Docker, AWS ECS, Auth.js, TailwindCSS, shadcn, Vitest, React Testing Library*

- Developed a horizontally scalable, cloud-based SaaS application that helps teachers generate student report comments based on syllabus points and grade combinations.
- Built backend classes with repository layers for PostgreSQL on AWS RDS, leveraging inheritance for database transactions and error handling, and injected into service layers for business logic.
- Implemented a GitHub Actions CI/CD pipeline for automated deployments to AWS ECS, incorporating linting and testing with 70% codebase coverage across frontend and backend.
- Designed dynamic forms using React Hook Form's useFieldArray, with Zod validation for interdependent inputs and user-friendly error handling.

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

*TypeScript, React, Express.js, MongoDB, Mongoose, Redux TK & RTK Query, Stripe, Mantine, Vitest, React Testing Library*

- Developed robust authentication system leveraging JWTs securely stored in HTTP-only cookies, with middleware to seamlessly refresh tokens via database sessions when users access authorised routes.
- Designed an advanced filtering and search system using MongoDB Full-Text Search and efficient aggregation pipelines, with state stored in searchParams enabling URL sharing and navigation continuity.
- Implemented intelligent cart functionality, allowing seamless interaction between logged-in and anonymous carts, with integration of the third-party Stripe Checkout API for secure payment processing.
- Engineered RESTful CRUD endpoints in Express.js to manipulate product listings, user accounts, and authentication data, and built a custom CMS for admins to effectively conduct inventory management.
- Followed Test-Driven Development (TDD) best practices, executing comprehensive unit and integration tests with React Testing Library and Vitest, while simulating HTTP requests using the MSW package.

## EDUCATION & CERTIFICATIONS

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AUSTRALIAN INSTITUTE OF MUSIC Bachelor of Music (Audio)

Jan 2020

COURSERA Meta Front-End Developer Professional Certificate

Jan 2024

AWS Certified Cloud Practitioner Certification

Nov 2024

## SKILLS

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**LANGUAGES:** HTML, CSS, JavaScript, TypeScript, SQL

**FRAMEWORKS & TOOLS:** React, Next.js, Node.js, Express.js, AWS, GraphQL, Docker, Redux, Zustand, Jest, Vitest, React Testing Library, Git, Github, Axios, TailwindCSS, Bootstrap, SASS, Figma, WordPress, Stripe, Zod, Github Actions

**DATABASES:** MongoDB, PostgreSQL, Prisma ORM, Supabase