

# Shelton Cui

## Full-stack/Front-end Web Developer

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### SUMMARY

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I am a JavaScript Engineer with over 3 years of development experience and 1 year of professional work experience. I excel in adopting new technologies and am committed to producing clean, maintainable, and reusable code. I am eager to contribute to a dynamic and innovative environment, where challenges are seen as opportunities for growth. Check me website for more information: <http://sheltoncui.me>

### SKILLS

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- HTML5, CSS3, JavaScript(ES6+), TypeScript, React, Next.js, Tailwind CSS, MaterialUI, ContextAPI
- Node.js, MySQL, MongoDB, REST APIs, Prisma, PostgreSQL, MongoDB, Git, Eslint, Vercel, Postman, Nest.js, Docker, Amazon EC2
- Jest, Testing Library
- Agile, Scrum

### WORK EXPERIENCE

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**Melfish** *Front-end Developer*

Oct 2023 – Feb 2024

Developed a Meetup-like website from scratch, enabling users to create and join interest groups and activities. The project was configured from the ground up, and all page designs were coordinated with a professional Figma team without using component libraries. Key responsibilities included:

- **Collaborated with the Figma Design team** to transform wireframes, prototypes, and high-fidelity mock-ups into functional web pages and components that are readable, reusable, and maintainable.
- Used **TypeScript** to enforce strict variable typing, enhancing collaboration, maintainability, and bug detection efficiency
- Utilized **Tailwind CSS** for responsive design, streamlining collaboration with the UI team to unify the theme style.
- Utilized **PostgreSQL** and **Prisma** to simplify data access logic and optimize query performance, thereby enhancing user experience.
- Implemented **RESTful APIs** using Next.js's API routes feature, simplifying visualization and management with file system-based routing that mirrors the structure of existing endpoints.
- Set up project configuration from scratch, including **Prettier** and **ESLint** rules, to enforce consistent code formatting and linting.
- Implemented Git commit message linting with **Husky** and **CommitLint** to ensure consistent and informative commit messages throughout the project's development lifecycle.
- Facilitated team collaboration using **Notion** and **Kanban** boards, conducting stand-up meetings to ensure clear team communication.
- Responsible for code reviews, resolving coding issues, facilitating communication between designer and developer and resolving inter-team conflicts in an **Agile** team.

Developing a platform dedicated to providing users with recommended attractions and restaurants.

- Designed and implemented frontend pages using **Material-UI** for interface building and **ContextAPI** for global state management.
- Developed backend services using **Nest.js Pages Router** to build **RESTful APIs**, implementing user authentication, course management, and other features.
- Wrote unit tests and integration tests, achieving high test coverage using **Jest and Testing Library** to ensure code quality and stability.
- Collaborated with the team, participated in requirements analysis, feature design, and iterative development, delivering high-quality products on time.

## PROJECT EXPERIENCE

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sheltOn: <http://sheltoncui.me>

My personal website, built with **Tailwind CSS** and **TypeScript** without relying on component libraries, features dynamic animations, engaging layout effects, and responsive design. Key features include:

- A glowing circle that follows the mouse cursor.
- A NavBar that smoothly appears and disappears as the user scrolls
- Gradient effects and mouse animations when switching text or different tags.

Meetly: <https://evently-nine-pi.vercel.app/>

A platform for creating and participating in global events. Users can easily publish events, set prices, locations, and times, and manage ticket sales using Stripe's payment integration.

- Implemented user authentication and management using **Clerk**.
- Leveraged Next.js 14's **server actions** for optimized server-side logic.
- Developed full CRUD functionality for event management using **mongoose & mongoDB**.
- Enabled users to create and organize events with various categories and related features.
- Implemented event categorization and advanced search filtering.
- Integrated **Stripe** for secure payment processing and event check-in.
- Managed event orders with search capabilities.
- Utilized **Tailwind CSS** for responsive and consistent UI design.
- Simplified form handling and validation using **React Hook Form**.
- Ensured data validation and type safety with **Zod**.

### *My-blog-platform*

*Developed a blog platform where users can create and manage posts, share information, and engage with each other. The platform has two sections: Draft and Post. Users must log in to access the content.*

- User authentication is implemented with **NextAuth.js**, ensuring that content is accessible only after logging in.
- Users can create, edit, and delete posts in the Draft section and publish them to the Post section. Published posts appear in the Post section with the sender's name attached. Users can also switch posts between the Draft and Post sections.
- Uses **PostgreSQL** as the database, with operations simplified through **Prisma**.
- Deployed using **Docker** and hosted on **Amazon EC2**, ensuring scalability and stability.

## **EDUCATION**

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**University of Adelaide**

2020 - 2022

*Master of Computing and Innovation*