

Bill Cheng

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SUMMARY

A self-taught software developer passionate about building solutions that solve impactful problems. With hands-on experience building production-ready web apps from frontend to backend and building deployment processes.

SKILLS

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|------------------|-----------------------------------------------------------|
| Frontend | Next.js, React.js, Tailwind CSS, React Query, Material UI |
| Backend | Node.js, Express, MongoDB, REST APIs |
| Testing | Jest, React Testing Library |
| DevOps | AWS, Firebase, CI/CD |
| Languages | TypeScript, JavaScript |

EXPERIENCES

Software Developer [Happy Group Buy](#) [Github](#) August 2020 - Current

- Initiated and developed a multi-vendor marketplace to reduce manual tasks and errors. Generated €382K revenue in 2021, an increase of 67% from 2020. Built using React.js, Context API, MUI, Node.js, Express, and MongoDB.
- Developed an internal system to reduce sending delivery notifications time by 90% and to manage products and orders, using React.js.
- Increased project maintainability and reduced type errors by re-architecting codebase using domain-driven design and TypeScript.
- Reduced marketplace and internal system bundle size by 6% and 10%, respectively, by refactoring the entire codebase using TypeScript, Tailwind CSS, and React Query.
- Implemented CI/CD to reduce deployment time and errors by running automated testing on commits and pull requests with Github Actions.
- Reduced image load time and cost by 75% and 90%, respectively, by implementing image hosting with AWS CloudFront and S3.
- Implemented OAuth social login to reduce login friction and allow users to track orders.
- Implemented a private messaging system to improve communication between buyers and sellers.

PROJECTS

Lunch ordering system

- Developed an online web app with React.js and Firebase, which reduced lunch ordering time and helped track orders and bills.
- Allowed multiple users to create orders simultaneously, which reduced wait times during busier periods.

EDUCATION AND CERTIFICATIONS

Erasmus University Rotterdam – The Netherlands

Sept 2018 - June 2021

- BSc in International Business Administration
- Minor in Computer Science

AWS Certified Solutions Architect – Associate

Jan 2022