Bill Cheng

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SUMMARY

I am a self-motivated software developer who is passionate about building solutions that solve impactful problems. I have hands-on experience in building production-ready web apps from frontend to backend and building deployment processes.

SKILLS

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   August 2020 - Current

- Initiated and developed a multi-vendor marketplace to reduce manual tasks and errors. Generated €382 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 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
- Computer Science Minor

AWS Certified Solutions Architect – Associate   Jan 2022