Chensheng Xu

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A passionate online business owner with **2 years of full-stack web development** experience focusing on MERN stack. Started online business during university as a hobby, continued **entrepreneurship** since 2018. Began fascinated in how websites are created and **self-taught** developing, deploying personal projects and contributing to **open-source projects**.

SKILLS

JavaScript | TypeScript | Python | HTML/CSS | React.js | Next.js | Vue.js | Node.js | Express.js | Django | MongoDB
Redis | MySQL | PostgreSQL | Redux | GraphQL | Jest | Postman | Tailwind | OAuth2 | Docker | AWS | Git | GitHub

WORK EXPERIENCE

Full Stack Developer   Toronto, ON
xuleathers   Jan 2022 – Present
- Self-taught full-stack web development, developed and deployed **10+** personal **MERN projects** and various tech stacks.
- Utilized **API-first design** developing **5+** full-stack projects with frameworks like **React.js**, **Next.js** and **Node.js**. Continued learning new languages, **design patterns**, architecture, frameworks and skills for building new projects.
- Designed **database** structures for **5+** projects with **SQL** and **NoSQL** databases like **MongoDB**, **MySQL** and **PostgreSQL**. Optimized **middlewares** and API endpoints with **algorithms** for **30% improvement in response time**.
- Teamed up with founding members for **5+ open-source projects**, drafting app designs, features and MVP, improving Figma UI/UX designs, optimized database structure for **20% increase in efficiency** with **Python** and Django framework.
- Organized **CI/CD** procedures like Github Actions, and used containerization tools like **Docker**. Focused structuring and writing **documentations** for **30+** API endpoints as well as open-source projects' various organizational and technical docs.
- Contributed and maintained in open-source projects including managing full-site **accessibility** improvements, including **10+ design improvements** to meet **WCAG** standards like adding tab-select controls and keyboard support.
- Developed **20+ new features**, fixed known **issues** for various open source projects with React.js, Vue.js and Ruby, etc.

Online Business Owner   Toronto, ON
xuleathers   Oct 2018 – Present
- **Founded** an online business, selling and making luxury custom-made leather products for **700+** clients around the world.
- Created web shops with **e-commerce** platforms like **Wordpress**, Square, Etsy to list products, promote shops, and manage marketing campaigns achieving **$100,000+ annual revenue**.
- Established and maintained relationships with clients and resolved custom-facing issues for **99% satisfaction** rate.
- Coordinated with individual clients to **create unique designs** for products, meeting clients' requirements.
- Analyzed **sales and marketing data**, adapting to style trends, highlighting core products, and meeting changing demands.

PROJECTS

[Odinbook](#)   Jun 2023
- A Facebook-clone website project using MERN (MongoDB, Express, React, Node) stack with Next.js.
- Developed **25+ REST** API with **Test Driven Design**, test covered with Jest and Supertest allowing CRUD actions to MongoDB database. **Automated** testing for **API integration tests** with Postman for authorization and data manipulation.
- Implemented **authentication** with NextAuth and Passport.js for credential sign-up/log-in. Integrated Facebook public login API endpoint based on **JWT** allowing users to login with Facebook accounts.
- Designed **10+ front-end pages** with **Next.js**, **Tailwind** and Bootstrap with **mobile-first responsive design** in mind.

[Risk Visualizer](#)   May 2023
- Interactive **data visualization** app on Next13 in **TypeScript**, displaying climate risk predictions trends on users input.
- Integrated Google Maps SDK for a **fully interactive map**, accompanying interactive react-table and charts.
- Utilized **Redux** for complex state management due to the complicated nature of user interactions of the web app.

EDUCATION

University of Toronto
Economics Specialist Program - Bachelor of Arts   2015 – 2019