

# Yuchen Pan

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## TECHNICAL SKILLS

**Front-End** | JavaScript (ES5 and ES6), React, HTML5, CSS3, Scss, MUI, Bootstrap

**Back-End** | Node.js, Express, PostgreSQL, MongoDB, MySQL, RESTful API

**Testing/Deployment** | Jest, React Testing Library, Mocha, Chai, AWS: EC2, Docker, NGINX

**Developer Tools** | Git, npm, Webpack, Babel, TDD

## SOFTWARE APPLICATION DEVELOPMENT EXPERIENCE

**BiteShare** | Full-stack developer | [Repo Link](#) | React, Node.js, Express, MongoDB, MUI 2023

*An agile team of 6 engineers to develop a mobile-first full-stack splitting bill app*

- Created app wireframe using UIZARD to expedite feature development for the team's reference
- Designed the route structure using **React Router**, handled private routes with user authentication
- Built management system allow the users to add users in a swipe up window and delete users by swipe
- Improved code simplicity and reduced 20% duplicate API calls by wrapping up 4 individual codes into one parent code

**Atelier Backend** | Backend Developer | [Repo Link](#) | Node.js, Express, Postgres, NGINX, Docker 2023

*Rebuilt the back-end server with microservices architectures and scaling*

- Deployed with **Docker** and horizontally scaled API increasing RPS from 500 to 8000 while latency < 20ms and 0% error rate behind **NGINX** load balancer and caching
- **ETL** of 35+ million records of data from legacy DB to PostgreSQL with indexing and correlated queries that reduced data retrieval latency from 7000ms to < 1ms
- Designed and built **RESTful** API for Q&A service that responded to requests in < 10ms when handling 1000 RPS for 30s in local **K6** stress tests

**Atelier Frontend** | Frontend Developer | [Repo Link](#) | React, JavaScript, SCSS, Node.js, Express 2022

*Redesigned an outdated webpage by implementing new design with additional requested features*

- Implemented **React** front-end service for Rating & Reviews module and matched the UI wireframes in the business requirements using SCSS
- Built client-side sorting and filtering algorithms and searching algorithms of all the reviews
- Improved Google Lighthouse Page Load Speed by 28% using text compression middleware

## PROFESSIONAL EXPERIENCE

**Vlogger & Influencer** | Chicago, IL Feb 2019 - Present

- Filmed and edited my life-style vlogs / photos by Adobe **Photoshop** and **Premiere** with 75K followers
- Managed sponsors relationships, achieved over 35 sponsors yearly

**China CITIC Bank** | Changsha, China

**Senior Mortgage Loan Specialist** Feb 2016 - Jul 2018

- Reviewed loan applications, verified information, checked credit score and determined eligibility
- Monthly managed 100+ new clients and issued loans for over 20 million USD

**Personal Relationship Banking Manager** May 2012 - Feb 2016

- Provided wealth management portfolio for 40+ VIP customers with total management asset of > 10 million USD
- Obtained banking, securities, insurance qualification and Associate Financial Planner certificates

**Bank Teller** Jun 2011 - May 2012

## EDUCATION

**Hack Reactor** | Advanced Software Engineering Immersive Certificate 2023

**Hunan University** | BA in Radio & TV Broadcasting | Law minor 2011