

Yuting Fan

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SUMMARY

Full Stack Developer with 5 years of experience specializing in **Angular 8+** and **TypeScript**. Proficient in building scalable web applications and implementing **RxJS** pipelines with a focus on **Clean Code principles** and **Test-Driven Development**. Committed to continuous learning and delivering high-quality, user-centric solutions.

SKILLS

Programming Languages/Frameworks/Libraries: HTML5, CSS/SCSS/SASS, JavaScript, TypeScript, Angular 8+, React, Bootstrap, Angular Material, Node.js, NestJS, Express.js, NgRx, Reactive Forms, Chart.js, JSON, Webpack, npm

Databases: Microsoft SQL Server, MySQL, MongoDB

Design/Testing Tools: Figma, Miro, Storybook, Cypress, Jasmine, Karma, Jest, Postman, Adobe Target

CMS: Bloomreach, WordPress, Wix, Shopify

Software Development Tools: VSCode, IntelliJ IDEA, Eclipse, Sublime

DevOps/Project Management: Agile (Scrum Master), Waterfall, GitHub/GitLab, Jenkins, AWS, Google Cloud Platform

Certifications: Project Management Essentials Certified, AWS Cloud Practitioner, Google Data Analytics Certificate

EXPERIENCE

Tesla | Fremont, CA | Angular Developer | Contract

March 2024 - August 2024

- Developed and deployed components using **npm** packages within a **monorepo** that encompassed **Angular**, **React**, and **Vanilla JavaScript** projects, ensuring streamlined code reuse and integration across projects.
- Upgraded internal design system (TDS) to Angular 17, enhancing performance and incorporating latest features.
- Designed accessible UI components adhering to **WCAG** standards and **UI/UX best practices**, including **ARIA labels** and **keyboard navigation**, to improve usability.
- Executed thorough end-to-end testing using **Cypress**, ensuring component adherence to accessibility standards.
- Optimized deployment processes using **Jenkins** CI/CD pipelines and managed version control with **GitHub**.
- Enhanced **bash** and **PowerShell** scripts to improve performance and efficiency across **macOS** and **Windows** environments, ensuring cross-platform compatibility.

SAE International | Herndon, VA | Sr. Full Stack Web Developer | Contract

March 2023 – February 2024

- Integrated **Angular 16** with **Java-based Bloomreach CMS**, designing and optimizing document types and content models to improve structured content management and enhance content retrieval performance.
- Configured **AWS CloudFront** and **Firebase** to enhance content delivery and improve performance.
- Applied **Figma** for design specifications and **Miro** for wireframing to maintain UI consistency across the platform.
- Architected and implemented modular Microservices for product management and payment processing using **NestJS**, incorporating **RxJS**, **controllers**, and **RESTful APIs**.
- Improved data retrieval processes with **Elasticsearch** and **SQL-like queries** to accelerate data access.
- Utilized **RabbitMQ** and **Docker** to monitor data flow within BRX Ingestion Service, integrating with AppSearch.
- Led **Agile** meetings and ensured timely project delivery using **JIRA** and **Confluence** as **Scrum Master**.
- Webpack** integration for module bundling, improving load times and enhancing code management.

Tea Elysees Hostels | Bloomington, IN | MEAN Stack Developer | Volunteer

June 2019 – Dec 2022

- Engineered the hotel booking system using **Angular**, **Angular Material**, **Sass**, **Node.js**, **Express**, and **MongoDB**.
- Incorporated **Google Maps** for dynamic **hotel location information**, enhancing guest navigation.
- Deployed **Socket.IO** to provide real-time agent support, improving service coordination and efficiency.
- Implemented **OAuth** for secure user authentication, enhancing the overall security of the booking system.
- Utilized **EmailJS** for automated booking confirmations and handling inquiries through the **Contact Us** section.
- Applied **Test Driven Development (TDD)** principles, writing automated unit tests using **Jasmine** and **Karma**.
- Visualized occupancy trends with **Chart.js** and **JSON**, creating interactive daily and monthly charts.
- Enhanced system performance with **lazy loading** and **web vitals**, reducing page load times.

EDUCATION

Indiana University Bloomington (M.S. Information Systems)

August 2021 - December 2022

Concentration: Business Intelligence and Analytics, Co-Concentration: Enterprise Security

Indiana University Bloomington (B.S. Information Systems)

January 2019 - May 2021