Olivia ('Iris') Zheng

Email: zolivia553@gmail.com   Languages: English/Chinese

EDUCATION:

University of Washington, Bothell *09/2019 - 08/2021*
Master of Computer Science & Software Engineering
University of California, Davis *09/2017 - 07/2019*
Master of Fine Art in Design: Information Visualization Design Track

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SKILLS:

Programming Languages:
Java, JavaScript(ES6), TypeScript, Python, Groovy
Web Technologies:
Angular, React, CSS3, HTML5, Node.js, AngularJS, Nest.js, Apollo, Angular Material, Rxjs, Redux, Spring Boot, Flask, AEM, Bloomreach
Other Skills: *GraphQL, RESTful APIs, CI/CD Pipelines, TDD, Agile (SCRUM)*

Databases:
MySQL, PostgreSQL, MongoDB, Redis
DevOps & Tools: *Git, Jenkins, AWS, Azure, Kubernetes, Docker, SVN, JIRA, Postman*
Testing Frameworks: *Jasmine, Karma, Jest*

WORK EXPERIENCE:

SAE International *Warrendale, PA*
Full Stack Engineer *08/2023 - now*
Project: *WebTech Platform – A multi-site content management system supporting PRI.org and SAE.org, leveraging Bloomreach CMS, Angular, and NestJS.*
- Developed UI components using Angular 14–18, implementing Angular Universal for SSR to boost SEO and performance.
- Integrated CMS-driven applications with Bloomreach for dynamic page creation and real-time content management.
- Automated content ingestion with NestJS, RabbitMQ, and MySQL/Elasticsearch for data sync and indexing.
- Designed scalable RESTful APIs and microservices with Redis caching to boost performance.
- Streamlined deployments with GitLab CI/CD and managed Kubernetes for microservice stability and scalability.
- Managed GTM containers, linked to sites, and implemented custom tags for precise tracking and performance insights.
- Applied test-driven development (TDD) with Jasmine/Karma, achieving 90%+ coverage and high code quality.
- Facilitated Agile ceremonies (sprint planning, stand-ups, retrospectives) to ensure project alignment and timely delivery.

United Healthcare Group *Eden Prairie, MN*
Full Stack Engineer *10/2021 - 07/2023*
Project: *Optum Clinical Manager – A healthcare management platform centralizing patient data across microservices (e.g., Provider Search, Member Profile Management, Referral Hub).*
- Developed a scalable web application using Angular 12/14, TypeScript, SCSS, RxJS, and NgRx.
- Developed reusable UI components with Angular Material and documented in Storybook for streamlined visualization.
- Implemented responsive design with Flexbox, CSS Grid, and media queries for cross-device compatibility.
- Implemented role-based access control and dynamic forms to optimize user experience based on roles and interactions.
- Architected RESTful APIs (Spring Boot) and GraphQL APIs (NestJS/Apollo) for efficient data handling.
- Automated CI/CD with Jenkins, ensuring smooth build and deployment.
- Ensured high code quality with unit tests (Jasmine/Karma) and Git version control.

Gridology Education & Technology Inc, Ltd. *Fort Lee, NJ(Remote)*
Frontend Developer (Intern) *02/2020 - 04/2021*
Project: *Gridology Tool – Developed a SPA for global MBA course analysis used by over 90 universities.*
- Built the frontend using React and Redux, collaborating with backend engineers to design RESTful APIs.
- Improved UI/UX through close coordination with designers, enhancing the tool's overall user satisfaction and engagement.

University of California, Davis *Davis, CA*
Teaching Assistant *09/2017 - 06/2019*
- Led project-based web design and programming courses, mentoring 25+ students per section.
- Coordinated weekly meetings with professors and TAs to align curriculum and learning objectives.