

Flynn Guan

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Summary

- 8+ years of experience in full-stack development, delivering scalable, high-performance web applications.
- Skilled in **React**, **Redux**, **TypeScript**, **JavaScript**, **HTML5**, and **CSS3** for creating dynamic, responsive, and cross-browser-compatible interfaces.
- Proficient in **.NET Core** for building robust **RESTful APIs** and scalable server-side applications.
- Experienced in deploying and managing applications on and **AWS** using services like **Lambda**, and **ECS**.
- Proficient in managing and optimizing databases such as **MySQL**, **MongoDB**, **MS-SQL Server**, and **Oracle** to handle large-scale data efficiently.
- Implemented caching solutions with **Redis**, optimized workflows, and enhanced application responsiveness through code splitting, lazy loading, and memoization.
- Skilled in unit and integration testing using **Jest**, **Cypress**, **React Testing Library**, and **Postman** to ensure application reliability and maintainability.
- Strong experience in **Agile/Scrum** and Waterfall methodologies, contributing to efficient team collaboration and timely project delivery.
- Proficient in **Git** and **Jira** for version control, project tracking, and effective team communication.
- Proven ability to lead teams, manage cross-functional collaboration, and deliver software solutions that meet business objectives.
- Passionate about creating high-quality software, solving technical challenges, and sharing technical knowledge with team members.

Skills

Programming Languages: JavaScript, C#, JAVA, TypeScript, SQL

Client-Side Development: React, Tailwind CSS, Sass

Server-Side Development: .NET Core, Java Spring Boot, GraphQL

DataBase: MySQL, MongoDB, MS-SQL Server, Oracle

Cloud Technologies: Amazon Web Services(AWS)

Testing Runners: Jest, Cypress, React Testing Library, Postman

Version Control and Project Management: Git, Jira

Development Methodologies: Agile/Scrum, Waterfall

Experience

AUG. 2023 – PRESENT

React Developer | United Talent Agency | New York, NY

Responsibilities:

- Developed responsive web applications using **React.js** and **Material UI**, designing and implementing front-end features with cross-device optimization for desktop/mobile experiences.
- Created reusable component libraries and front-end toolchains, standardizing coding practices to improve team efficiency.
- Collaborated closely with backend teams to integrate RESTful APIs, implementing data flow solutions (**Redux**) for real-time synchronization.
- Built automated testing workflows using **Jest**, maintaining 95%+ test coverage.
- Implemented mobile-first responsive designs using CSS-in-JS (Styled-components), covering 20+ device breakpoints.
- Refactored core modules using **TypeScript**, enhancing type safety and code maintainability by 40%.
- Researched and integrated emerging technologies like **AWS Lambda**, achieving sub-1.2s page loads.
- Maintained Git branching strategies and code review processes across distributed teams.
- Responsible for resolving critical issues in applications, including addressing user feedback, diagnosing and fixing state update errors and memory leaks, and improving application performance and stability.
- Established and promoted team guidelines, advocating cleanup patterns and the adoption of modern tools to prevent recurrence of similar issues and continuously enhance application performance.

MAY. 2022 - AUG. 2023

Full-Stack Engineer | iCleansa | Vancouver, Canada

Responsibilities:

- Designed and developed dynamic, interactive, and responsive user interfaces using **React**, **JavaScript**, **HTML5**, and **CSS3**, ensuring cross-browser compatibility and intuitive user experience.
- Employed **GraphQL** for precise and efficient data querying, enabling flexible and real-time interactions between the front end and database.
- Developed and maintained scalable data storage solutions using **MongoDB**, ensuring efficient data management and high availability.
- Utilized AWS Cloud services for deployment and scalability, incorporating AWS Lambda for serverless functions, DynamoDB for scalable database management, S3 for asset storage, and ECS for containerized application deployment.
- Conducted unit and integration testing using **React Testing Library** to ensure application reliability and maintainability.
- Enhanced system performance and stability by optimizing key modules and streamlining application workflows.

MAY. 2020 - AUG. 2022

.NET Engineer | RainbowTech | Changchun, China

Responsibilities:

- Participated in the development and maintenance of a web-based ERP system for FAW-Volkswagen, focusing on modules including financial management, HR management, and supply chain management.
- Designed and implemented interactive user interfaces using **ASP.NET MVC**, JavaScript, CSS, and **AJAX** to enhance usability and user experience.
- Used jQuery, ensuring efficient handling of dynamic content and AJAX-based interactions.
- Utilized Oracle as the primary database, creating and optimizing complex queries, stored procedures, and triggers to ensure reliable data processing and storage.
- Implemented role-based access control and data security measures to ensure compliance with internal security policies.
- Conducted system performance tuning to enhance efficiency, minimizing downtime and improving response times.
- Collaborated with cross-functional teams to integrate ERP modules, ensuring seamless communication between financial, HR, and production systems.
- Contributed to testing and debugging processes to ensure smooth system deployment and minimize post-release issues.
- Documented technical designs, workflows, and system changes to maintain clear records and facilitate future development.
- Engaged in Agile development practices, actively participating in sprint planning, daily stand-ups, and retrospectives.

APR. 2017 - AUG. 2020

.NET Engineer | UXIN LTD. | Beijing, China

Responsibilities:

- Led the development and enhancement of a high-performance used car trading platform using ASP.NET and jQuery, delivering a scalable solution that met diverse user needs and achieved broad market recognition.
- Designed and managed an enterprise-level data platform on **MS-SQL Server**, optimizing system scalability, stability, and performance to handle large-scale transactional data effectively.
- Implemented Redis for efficient caching, significantly improving application responsiveness and reducing database load.
- Developed comprehensive **Web Services** to facilitate seamless integration with mobile applications, ensuring cross-platform compatibility for Android and iOS devices.
- Designed and supported a vehicle inspection mobile app, enabling professional assessors in 183 cities to publish over 400,000 detailed vehicle reports monthly, highlighting the platform's extensive reach and efficiency.
- Conducted performance tuning, system debugging, and database query optimization to ensure seamless user experiences.
- Collaborated with cross-functional teams to develop and integrate features, maintaining high-quality coding standards and best practices.
- Documented technical processes and workflows, ensuring clear communication and knowledge sharing across teams.

Education

Jilin University, B.E. in Computer Application Software

Dec. 2016