Bojin Zhou

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Experienced Full Stack Developer in delivering high-quality software. Specialized in C#, .NET, Blazor, JavaScript, TypeScript, React, and Node.js. Interested in Microservices and Web Performance. I work best in cross functional teams and Agile environments.

Professional Experience

Full Stack Developer   **ZhouTech Ventures**   **June 2024 – Present**
London, UK

Developed and deployed full-stack web applications for various clients, leveraging .NET Core on the backend and JavaScript frameworks like Angular on the frontend:

- Designed a Blazer-based contract management tool that automated workflows and reduced processing time.
- Built RESTful APIs using C# and Node.js to integrate third-party services and facilitate data exchange.
- Developed unit, integration, and E2E testing using XUnit, Jest, and Selenium, increasing code coverage to 80%.
- Used tools like Postman and dotTrace to debug and optimize application performance.
- Worked with cloud platforms (Azure) to design scalable infrastructure capable of auto-scaling during peak traffic, ensuring zero downtime.
- Collaborated with remote teams using Agile methodologies, including sprint planning and code review sessions to improve delivery timelines and code quality.

Technologies: *C#, JavaScript, TypeScript, Angular, Blazor, .NET Core, Node.js, MS SQL, PostgreSQL, Azure, Docker, RESTful APIs, Microservices, Git, GitHub, GitLab, XUnit, Selenium, Jest, Cypress, OAuth2, JWT, RabbitMQ, SignalR*

Full Stack Developer   **Supporting Education Group**   **June 2022 - May 2024**
London, UK

Delivering software solutions on the fullstack with a .NET backend and JavaScript on the frontend:

- Delivered clean, maintainable software solutions under critical deadlines using .NET Core, C#, Blazor, Node.js, Angular, Azure, RabbitMQ, MS SQL, PostgreSQL, and TypeScript.
- Designed and developed a Blazor application for managing and calculating contracts, which reduced manual processing time significantly improving operational efficiency.
- Built a C# worker service to support the data team, enabling more granular data extraction for analysis and leading to an increase in data processing efficiency.
- Designed and deployed scalable cloud infrastructure solutions using Azure, enabling auto-scaling to handle traffic spikes with zero downtime.
- Used profiling tools (e.g., dotTrace, Postman, Fiddler) to identify performance bottlenecks in .NET and Node.js applications, optimizing processes for scalability.
- Developed RESTful APIs endpoints to facilitate data exchange between front-end and back-end services, enabling a more reliable integration with third-party services.
- Optimized front-end assets by implementing lazy loading, tree shaking, and code splitting, reducing the overall bundle size and improving page loading times.
- Implemented unit testing (XUnit, NUnit), integration testing, and end-to-end testing using tools like Selenium, Cypress, Jest, and Postman, increasing code coverage to 80% and reduced production bugs by 30%.

- Contributed to an Angular-based project to develop a recruiter platform, helping streamline the application management process and shorten the hiring process.
- Participated in code review sessions, advocating for best practices, improving code quality and promoting knowledge sharing in the team.
- Led sprint planning sessions and facilitated stand-up meetings as a key member of the Agile development team, improving the team's sprint success rate.

Technologies: .NET Core, C#, Blazor, Angular, TypeScript, Azure, PostgreSQL, Node.js, JavaScript, Docker, RESTful APIs, Microservices Architecture, Azure DevOps, , OAuth2, JWT, Azure Functions, Git, GitHub, GitLab, Selenium, Cypress, Jest.

Web Developer   **Golden Click Dynasty LTD**   **Dec 2018 - June 2022**
Freelance/ Self-employed   London, UK

- Develop and deliver custom software solutions that meet client specifications, utilizing technologies such as C#, .NET Core, ASP.NET and JavaScript.
- Optimize application performance and user experience by implementing efficient algorithms, database queries, and front-end techniques.
- Developing a real-time trading application, reducing initial load time by 70%.
- Adding pages to a mobile solution using C# Xamarin for a project managing keys across multiple estates.
- Building a search engine web API in a two-person project.
- Developing an Online Fashion Redesign and E-Commerce Platform with Umbraco.
- Contribute to the Development of the Mindful Peace Website (https://mindfulpeace.org)

Technologies: C#, .NET Core, ASP.NET, JavaScript, Umbraco, Blazor, Node.js, React, MS SQL, Azure, Git, Selenium, NUnit, Postman, RESTful APIs, CI/CD, Agile Methodologies.

Education

- **B.Sc. Computer Science,** King's College London.   **September 2006 – July 2010**

Skills and Technologies

- **Languages:**   JavaScript, TypeScript
- **Technologies:** C#, .NET Core, ASP.NET, .NET MVC, Entity Framework, Dapper, Worker Service, WPF, WCF, React, Angular, Redux, RESTful APIs, Node.js, Testing (Jest), Git, GitHub, SQL (PostgreSQL), Docker
- **Interests:**   Web Performance, Microservices, Azure Cloud, AWS

Projects & Extra

- **Software Mastery™ by theSeniorDev** - an 8-week program covering professional aspects of software development. Working on production-ready systems gaining proficiency in different topics (Software Design Principles, Microservices Architecture and API Design, CI/CD, Testing).

Languages

- English: Professional Proficiency
- Chinese: Native Proficiency

Hobbies & Personal

- In my free time, I like to swim in the sea, read about new technologies, and jog around the city.