Oliver Forral

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Summary

Senior Full Stack Developer with 18 years of experience building high-performance web experiences, bridging the gap between complex **.NET** backends and modern frontends (**React**, **Angular**). Specializes in architecting **API-first solutions** suitable for **Headless CMS** integrations and delivering pixel-perfect, accessible (WCAG) user interfaces. Expert in translating UX/UI designs into scalable, cloud-native applications within the **Microsoft Azure** ecosystem. Proven track record of collaborating with design teams and key stakeholders to power next-generation digital platforms.

Core Competencies

- **Full Stack Development:** C#, ASP.NET Core, React.js, Angular, TypeScript, JavaScript, HTML5/CSS3
- **Headless & API Architecture:** RESTful APIs, GraphQL, Event-Driven Architecture, Decoupled/Headless Integrations, OpenAPI/Swagger
- **Cloud & DevOps:** Azure (App Services, Functions), CI/CD Pipelines (Azure DevOps), Cloud-Based Hosting
- **UX/UI & Design Systems:** Component Libraries, Figma-to-Code Workflows, WCAG 2.1 AA Accessibility, Interactive Prototyping
- **Data & Search:** SQL Server, Redis, Search Indexing Concepts, Entity Framework

Certifications

- **AWS Certified AI Practitioner** (Valid: Oct '24 - Oct '27)
- **AWS Certified Cloud Practitioner** (Valid: Dec '23 - Dec '26)

Experience

Lead Software Engineer / Architect | Reason Benefit Corporation | Huntsville, AL
June '25 - Present
- Architected and developed a scalable, cloud-native web application using **C#/.NET Core** and **Angular**, serving as the foundation for the company's digital transformation.
- Designed highly performant API endpoints to support dynamic front-end content, aligning with **headless architecture** principles for flexibility and speed.
- Managed the complete software lifecycle (SDLC) in **Azure**, optimizing CI/CD workflows to ensure rapid, reliable deployments of web features.
- Acted as the primary technical liaison between business stakeholders and development teams, translating complex requirements into actionable UI/UX and technical specifications.

Freelance Solution Architect | Vanmade Gear | Portland, OR
Sept '21 - Present
- Delivered full-stack solutions for e-commerce and inventory management, utilizing **.NET** for robust backend logic and **Angular/TypeScript** for responsive client-side interactivity.
- Collaborated directly with stakeholders to refine **UX/UI** requirements, ensuring the final digital product met specific business objectives and design standards.
- Implemented cloud infrastructure on Azure, ensuring high availability and scalability for customer-facing applications.

Lead Contract Engineer / Architect | State Controller of Idaho Office | Boise, ID
July '24 - Nov '24
- Engineered a secure, full-stack automation solution using **C#**, **.NET Core**, and **SQL Server**, focusing on data integrity and user experience.
- Created **interactive Figma prototypes** to visualize complex workflows, enabling stakeholders to validate user journeys before code implementation.
- Built secure **RESTful APIs** to integrate disparate systems, reducing manual user provisioning time by 50%.
- Mentored a team of developers on full-stack best practices, including secure coding standards, API design, and efficient front-end integration.

Senior Contract Software Engineer | ICF | Reston, VA
Feb '23 - Mar '24
- Developed complex, enterprise-level web applications using **C#**, **.NET**, and **React**, prioritizing performance, scalability, and **UX/UI fidelity**.
- Refactored legacy monolithic services into a modern, cloud-native architecture, improving page load times and system resilience.
- Enhanced application accessibility to strictly meet **WCAG 2.1 Level AA standards**, ensuring an inclusive digital experience for all users.

Senior Contract Software Engineer | Enerflo | Huntington Beach, CA
May '22 - Aug '22
- Contributed to the development of new features for a high-traffic SaaS platform, demonstrating versatility across **NodeJS** APIs and modern frontend stacks.
- Integrated third-party APIs and systems to extend platform functionality, delivering seamless user experiences.

Lead Software Engineer | InComm InCentives | Portland, OR
June '17 - Sept '21
- **Key Achievement:** Designed and built a reusable, **ADA-compliant component library** using **TypeScript** and **React**, establishing a consistent **UX/UI standard** across the company and accelerating frontend development.
- Architected and implemented over 50% of the features for a newly acquired platform, successfully integrating **.NET** backends with modern React frontends.
- Pioneered **End-to-End testing with Cypress**, ensuring the reliability and quality of critical user flows and UI interactions.

Lead Software Engineer | Multnomah Education Service District | Portland, OR
Sept '09 - June '17
- Spearheaded the front-end technology roadmap, guiding the team's evolution from legacy architectures to modern frameworks including **React** and **AngularJS**.
- Led the architectural modernization of legacy PHP applications to a scalable, **RESTful API** architecture suitable for modern web consumers.
- Established design principles and coding standards to improve collaboration between design and development teams.

Web Developer Intern | Miles Consulting, Inc | Gresham, OR
Oct '07 - Sept '09
- Independently translated business requirements into a full-stack web application, mastering **C#**, **.NET**, **JavaScript**, and **SQL Server** fundamentals.

Education

Bachelors of Science - Computer Science | Minor in Business Administration
Oregon State University - Corvallis, OR | Graduated June '09