Oliver Forral

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Summary

Senior Full-Stack Engineer with 18 years of experience in developing and supporting robust software solutions, specializing in C#, .NET, JavaScript, and SQL Server. Proven ability to develop new software products and support multi-generation platforms within collaborative agile environments. Eager to apply expertise in modern development tools and best practices to contribute to a dynamic healthcare software team.

Core Competencies

- **Languages:** C#, TypeScript, JavaScript, SQL, PowerShell, Bash, HTML, CSS
- **Back End:** .NET, Node.js, RESTful APIs
- **Front End:** Angular, React, Blazor, Telerik, Bootstrap
- **Databases:** SQL Server, PostgreSQL, Redis, Oracle, SQLite
- **Testing & Quality:** xUnit, NUnit, Jest, Playwright, Cypress, Selenium, Static Analysis, Peer Reviews
- **Cloud & DevOps:** Azure, Azure DevOps, CI/CD, GitHub Actions, Terraform
- **Practices:** Agile/Scrum, N-tier Architecture, SDLC, OOP, Design Patterns

Experience

Senior Software Engineer • Reason Benefit Corporation • Huntsville, AL • June '24 - Present
- Architected and implemented a scalable, cloud-native API on Azure, delivering a cost-effective and resilient solution using .NET and C#.
- Translated complex business needs into detailed technical specifications and actionable project plans.
- Managed independent project lifecycles, ensuring timely delivery and high satisfaction.

Freelance Senior Software Engineer • Vanmade Gear • Portland, OR • Sept '21 - Present
- Provided full-stack development and consultation, delivering custom applications using .NET and C#.
- Collaborated directly with stakeholders to define project scope, gather requirements, and deliver tailored solutions that met specific business objectives.

Contract Software Engineer • Office of the State Controller of Idaho • Boise, ID • July '24 - Nov '24
- Led the full-cycle development of an organization-wide security access request tool using .NET, C#, Blazor, and SQL Server, resulting in significantly increased data accuracy and operational efficiency.
- Engineered a 50% reduction in deployment times by implementing and optimizing CI/CD workflows with Azure DevOps.
- Mentored a team of junior developers in C#, Blazor, and Entity Framework, fostering skill growth and establishing team-wide best practices through peer-reviews.

Contract Software Engineer • ICF • Reston, VA • Feb '23 - Mar '24
- Developed new features and resolved bugs in complex applications utilizing Telerik Kendo UI alongside C#, .NET, React, and SQL Server.
- Troubleshot and debugged software issues, provided timely resolutions, and implemented preventive measures to improve application stability.
- Enhanced application accessibility to meet WCAG 2.1 Level AA standards, ensuring inclusivity for all users.
- Achieved a 50% reduction in AWS EC2 expenses by leading the migration of key projects to more efficient Linux virtual machine environments.

Contract Software Developer • Enerflo • Huntington Beach, CA • May '22 - Aug '22
- Contributed to the development of new features and bug fixes for a variety of full-stack projects, including a Laravel SaaS and a NodeJS API.
- Actively participated in code reviews to maintain high code quality and enforce team standards.
- Collaborated with a cross-functional team to analyze requirements and implement solutions in an agile environment.

Web App Developer • InComm InCentives • Portland, OR • June '17 - Sept '21
- Developed and implemented over 50% of the required features for a newly acquired platform, successfully integrating systems using C#, .NET, React, and SQL Server.
- Designed and built a reusable component library using TypeScript and React, establishing a consistent, ADA-compliant UI standard across the company.
- Worked in a collaborative agile environment with 2-week sprints, daily stand-ups, refinements, and retros
- Refactored critical legacy code, significantly improving application performance and maintainability.

Web Developer• Multnomah Education Service District • Portland, OR • Sept '09 - June '17
- Gained expertise using vanilla JavaScript, jQuery, AngularJS 1.x, and React.
- Led the modernization of legacy PHP applications to a Symfony and RESTful API architecture, establishing new coding standards and improving team efficiency.
- Managed the successful migration of project version control from Subversion to Git/GitHub, fostering a more collaborative and efficient development workflow.
- Authored a custom script to resolve a critical data limitation in an off-the-shelf product, saving the organization significant time and money by extending the life of existing software during a phased replacement.

Web Developer Intern • Miles Consulting, Inc • Gresham, OR • Oct '07 - Sept '09
- Independently translated a set of requirements into a full-stack web application, teaching self C#, .NET, JavaScript, and SQL Server fundamentals.

Education

Bachelors of Science - Computer Science - Oregon State University - Corvallis, OR

Graduated 6/13/2009

Certifications

AWS - Certified AI Practitioner

Valid: Oct '24 - Oct '27

AWS - Certified Cloud Practitioner

Valid: Dec '23 - Dec '26