OLIVER FORRAL

SOFTWARE ENGINEER

CONTACT

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EDUCATION

2009

Bachelor of Computer Science

Oregon State University

CERTIFICATIONS

2023

Amazon Web Services

AWS Certified Cloud Practitioner

SKILLS

Programming Languages

- C#
- JavaScript
- TypeScript
- PHP
- Rust

Libraries & Frameworks

- .NET
- React
- Gatsby
- Symfony
- jQuery
- Bootstrap
- Laravel
- NextJS

PROFILE

Highly motivated and results-oriented Software Engineer with 16+ years of experience in designing, developing, and maintaining scalable and maintainable web applications, APIs, and microservices across diverse industries. Proven ability to collaborate effectively within teams, advocate for continuous improvement, and deliver innovative solutions using a wide range of technologies. Skilled in Agile methodologies, CI/CD tools, best practices, and passionate about contributing to the creation of impactful software.

WORK EXPERIENCE

INDEPENDENT SOFTWARE ENGINEER

Technology Self-Learner | Meridian, ID   MAR 2024 - PRESENT

- Independently developed and deployed multiple web applications using .NET Blazor and NextJS, showcasing proficiency in modern frontend frameworks.
- Actively exploring cloud technologies like AWS, Azure, Digital Ocean, and Vercel through hands-on projects, demonstrating a commitment to continuous learning and staying ahead of industry trends.
- Experimented with Rust's Actix Web framework to build high-performance APIs, demonstrating adaptability and a willingness to explore new technologies.

FREELANCE SOFTWARE ENGINEER

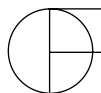ICF | Reston, VA (fully remote)   FEB 2023 - MAR 2024

- Collaborated with team members to design, develop, and maintain software solutions.
- Contributed to all stages of the development lifecycle, including requirements gathering, design, implementation, testing, and deployment.
- Authored clean and maintainable code adhering to best practices.
- Advocated for continuous improvement and proactively identified opportunities for code optimization and refactoring.
- Reduced manual testing time by implementing Cypress end-to-end tests, streamlining the development and testing cycle.
- Enhanced accessibility compliance to WCAG 2.1 Level AA, ensuring wider user inclusivity and meeting website accessibility standards for individuals with disabilities.
- Contributed to the migration effort of projects to Linux virtual machines, achieving a 50% cost reduction in AWS EC2 expenses.

INDEPENDENT SOFTWARE ENGINEER

Technology Self-Learner | Meridian, ID   AUG 2022 - FEB 2023

- Applied SOLID principles and test-driven development (TDD) methodologies to improve code quality, maintainability, and testability in personal projects.

S K I L L S   C O N T .

Databases

- SQL Server
- MySQL
- PostgresQL
- SQLite
- Redis
- RavenDB
- Oracle

Methodologies

- Agile (Scrum, Kanban)
- TDD
- BDD
- Ensemble Programming
- Pair Programming

CI/CD Tools

- GitHub Actions
- TeamCity
- Octopus Deploy
- AWS CodePipeline
- Travis CI
- Circle CI

Testing Tools

- Cypress
- SpecFlow
- Reqnroll
- Selenium

Soft Skills

- Communication
- Collaboration
- Problem-Solving
- Attention to Detail
- Mentorship
- Teamwork

W O R K   E X P E R I E N C E   C O N T I N U E D

FREELANCE SOFTWARE ENGINEER

ENERFLO | Huntington Beach, CA (fully remote)   MAY 2022 - AUG 2022

- Utilized a wide range of full-stack capabilities at a startup with a very lean team.
- Worked on a variety of projects, including a Laravel SaaS and a NodeJS API.
- Successfully identified and resolved production bugs, preventing future reoccurrences.

FREELANCE SOFTWARE ENGINEER

Meridian, ID (fully remote)   SEPT 2021 - MAY 2022

- Provided freelance work for small local companies that needed web development and custom-made systems tools.
- Developed command-line tools that saved employees an average of 5 hours per week.

SOFTWARE ENGINEER

Incomm Incentives | Portland, OR (hybrid remote)   JUNE 2017 - SEPT 2021

- Developed and deployed multiple C# and .NET Core microservices to enhance application scalability and performance.
- Configured continuous integrations with TeamCity.
- Developed code for automating deployments into AWS S3 buckets.
- Implemented several REST microservices in C# and .NET Core, as well as front ends in TypeScript and React.
- Exposed to New Relic for logging and Octopus Deploy for deployment.
- Supported new engineers with getting up to speed with best practices.
- Mentored coworkers that wanted to move into software engineering.
- Championed small experiments within the team, such as doing mini-hackathons. These experiments have generated greater creativity and innovation among team members.
- Collaborated closely with UX Engineer to design a TypeScript React component library that can be used company-wide. By giving the company more control, employees are able to save time and money maintaining consistent WCAG and ADA compliant user interfaces across all front ends.
- A key player in helping a recent acquisition with their backlog of new features and the refactoring of old features that an important client was requesting. Successfully implemented the changes, which maintained the professional relationship with the client.

OLIVER FORRAL

SOFTWARE ENGINEER

REFERENCES

Rushikesh Modem

Manager at ICF

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Sergey Shishov

Team Lead at ICF

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Abbie Espindoal

Manager at InComm InCentives

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Rick Faaberg

Software Architect at InComm InCentives

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WORK EXPERIENCE CONTINUED

WEB DEVELOPER   OCT 2009 TO JUNE 2017

Multnomah Education Service District | Portland, OR (on-site)

- Maintained legacy applications in jQuery and updated some applications to React and Ember.
- Maintained part of Oracle database and updated applications to use PostgreSQL for production data and SQLite for performant mock testing.
- Maintained multiple legacy applications in PHP and updated applications to use REST and Symfony, which used PHP 7 and actual coding standards.
- Implemented multiple applications in Symfony and Bootstrap.
- Configured continuous integration with TravisCI.
- Creatively solved the logistics of implementing complex business rules.
- Converted projects from Subversion to Git and put them into GitHub. As a result, the team became more collaborative and completed work more efficiently.
- Became an expert in using Symfony for all refactors and new development. This also resulted in the team being more collaborative and getting work done more efficiently.
- After the company had run out of symbols in an old off-the-shelf product, took initiative and coded a script that recalculated and updated the database so it used only 10 symbols. This allowed us to save time and money by using the old product while it was systematically replaced.

WEB DEVELOPER

Miles Consulting, Inc. | Gresham, OR (on-site)   MAR 2007 TO DEC 2012

- Constructed and maintained an enterprise web application in JavaScript, which requests API calls to a C# and ASP.Net backend which then connects to an SQL Server database.
- The sole developer during this internship, was able to teach self how to turn a set of requirements into a full-stack web application while also learning C# and SQL Server.