

# LAURANCE WALDEN

## BACKEND & FULL-STACK SOFTWARE ENGINEER

[laurance.walden@gmail.com](mailto:laurance.walden@gmail.com) · 503-805-5088 · [lwalden.github.io](https://lwalden.github.io)

### Professional Summary

Highly accomplished Software Engineer and Tech Lead with over a decade of experience designing and delivering enterprise-grade distributed systems. Expert in architecting high-performance, scalable microservices and event-driven architectures using C#, .NET, and Microsoft Azure. Proven track record of leading cross-functional initiatives, optimizing cloud costs by 40%, and refactoring mission-critical systems for 99.9% reliability. Strong full-stack capabilities with a focus on end-to-end project ownership from conceptual design to production at scale

### Technical Skills

- **Languages:** C#, JavaScript, TypeScript, SQL, PowerShell.
- **Backend & Architecture:** .NET Core, Microservices, CQRS, REST, WebAPI, Entity Framework, Distributed Systems, Event-Driven Design, Pub/Sub.
- **Cloud (Azure):** Functions, Service Bus, CosmosDB, API Gateway, Key Vault, Entra (Azure AD), Event Grid, Application Insights.
- **Frontend:** VueJS, React, JanillaJS, HTML5, CSS/SASS, Webpack, Razor.
- **Database:** MS SQL, CosmosDB, RavenDB.
- **DevOps & Security:** GitHub Actions, Azure DevOps, CI/CD, Docker, OAuth, OpenID Connect, OWASP Standards.
- **AI & Productivity:** MCP, Context Engineering, Prompt Engineering, Copilot, Claude Code.

### Professional Experience

**Columbia Sportswear** - Portland, OR

**Senior Software Development Engineer / Tech Lead** 11/2023 – Current

- **Technical Leadership:** Promoted to Tech Lead within six months to head solution design, documentation, and cross-team implementation strategies.
- **System Optimization:** Refactored a high-volume multi-step workflow, **reducing processing time by 96%** (from 6 minutes to 12 seconds) and **cutting monthly CosmosDB costs by 40%**.
- **Reliability Engineering:** Architected a replacement for a legacy "key system," reducing daily failed transactions from **2,000 to under 1** and eliminating manual engineering intervention.
- **Process Automation:** Led the design of a new automation system for the Photo Studio, eliminating **1,000+ annual hours** of manual labor.
- **Performance:** Reduced daily batch processing windows from several hours to minutes through optimized Azure Functions and Service Bus handling.
- **Integrations:** Managed complex integrations of digital media assets across internal and external systems via APIs, Runbooks, and Service Bus subscriptions.

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**Sterling Talent Solutions** - Portland, OR (Remote)

**Senior Software Development Engineer II** 07/2023 – 11/2023 (*Promoted*)

**Senior Software Development Engineer** 10/2019 – 07/2023

- **SaaS Architecture:** Developed and maintained critical SaaS applications utilizing both CRUD and **CQRS patterns** to ensure high availability and data compliance.
- **Subject Matter Expertise:** Served as the SME for core systems, providing architectural guidance and UI/UX insights for complex front-end implementations in VueJS and AngularJS.
- **Microservices:** Designed and documented Web APIs, Azure Functions, and message queues to support highly regulated data standards and partner integrations.
- **Mentorship:** Conducted technical interviews and mentored new hires, fostering a culture of technical excellence and standardizing development practices.

**SureID Inc.** – Hillsboro, OR

**Software Development Engineer** 01/2016 – 10/2019 (*Promoted*)

**Jr. Software Development Engineer** 06/2014 – 01/2016

- **Backend Engineering:** Built robust backend functionality using .NET Framework and code-first relational models with MS SQL and Azure Queues.
- **Frontend Standards:** Pioneered core frontend patterns and introduced **TypeScript** to the organization, establishing long-term coding standards and unit testing patterns.
- **R&D:** Conducted research spikes and delivered proofs of concept (POCs) to stakeholders to guide technology adoption and project feasibility.

## Certifications

- **Certified Scrum Master (CSM)** – Scrum Alliance (2020)

## Additional Technical Skills

- **Security:** Authentication, Authorization, Encryption (At-rest/In-transit), OAuth.
- **Testing:** XUnit, NUnit, FluentAssertions, FakeItEasy, Moq, Postman.
- **Tools:** Git, Jira, Confluence, OpsGenie, Site 24x7, Swagger, CoPilot.