

# RJ Hollberg - Resume

## RJ Hollberg

14294 Pepper Grass Lane  
Herriman, UT 84096  
801-558-3812  
rj.hollberg@outlook.com  
<https://taffareljr.github.io/resume>

### Summary

Software Architect and technical leader with **25+ years** of hands-on experience designing and delivering products, including enterprise-scale distributed systems. Currently leading AI initiatives, including architecting a production ChatGPT clone and enabling natural language interfaces over an enterprise data warehouse.

- **Architecture Focus:** Domain-Driven Design, event-driven microservices, and clean code principles
- **Microsoft Stack Expert:** Deep expertise in .NET ecosystem since 1.0, Azure, and modern cloud-native patterns
- **Full SDLC Experience:** R&D, agile leadership, development, testing, CI/CD, infrastructure, and DevOps
- **Force Multiplier:** Passionate about mentoring developers, establishing best practices, and elevating team capabilities

### Skills

Domain	Technologies & Expertise
Architecture	Domain-Driven Design, Bounded Contexts, Event-Driven, Microservices, CQRS, Clean/Explicit Architecture
AI & ML	LLMs, RAG, Semantic Kernel, Prompt Engineering, AI Agents, Vector Search, Azure OpenAI
Languages	C#, SQL, some web
Cloud & Infrastructure	Azure (CosmosDB, Event Hubs, Service Bus, App Services), Terraform, Docker, CI/CD
Data	SQL Server, CosmosDB, MongoDB, PostgreSQL, Snowflake, Event Sourcing
Practices	TDD, Refactoring, Code Review, Pair Programming, Technical Mentorship
Languages (Human)	English (native), Portuguese (quasi-fluent)

### Education

B.S. in Information Technology - Software Emphasis  
*Western Governors University, 2016*

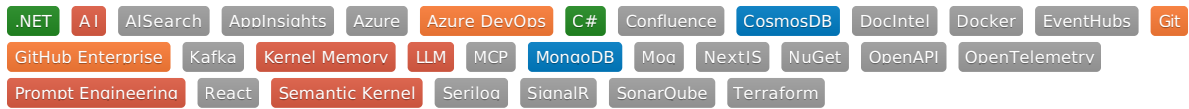
### Professional Experience

#### R1 RCM, Inc.

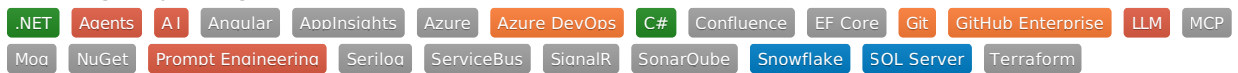
**(3/2023 - Present) Staff Software Engineer**

- Position name change—the company decided to rename all Architect positions company-wide and embed us on specific teams

- Tech lead for the company's first AI app: an internal ChatGPT clone
  - Rapid training on bleeding-edge AI technologies
  - Kept the app up-to-date constantly as AI technology evolved and new features were requested, iterating through increasingly complex architectures
  - Roughly on-par with ChatGPT functionality

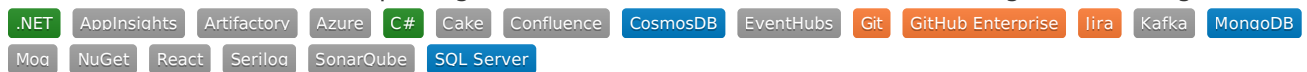


- Recently joined a BI team where I'm applying my recent AI expertise
  - Moving to allow users to chat with AI over our entire Data Warehouse
  - Customizing AI Agents and various prompt instructions for vibe coding
  - Planning major migration between Azure tenants



## (7/2021 - 3/2023) Software Architect

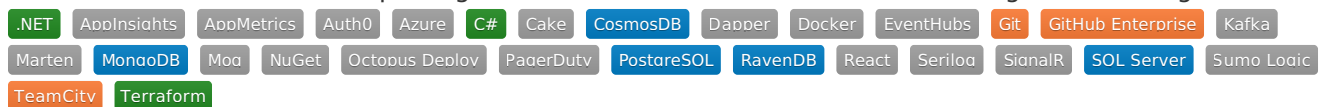
- Worked with Accounts Receivable teams to design a migration of our legacy, monolithic apps towards a newer architecture consisting of:
  - Microservices
  - Domain-Driven Design (esp. Bounded Contexts)
  - Event-Driven architecture (between microservices)
  - Explicit Architecture (inside microservices)
- Presented on various technologies and architectural concepts for coworkers, other Architects, and management
- Conducted the pilot for GitHub Enterprise
  - Managed all configuration
  - Built and maintained custom build agents
  - Onboarded the entire development staff (and management)
  - Designed and executed the transition strategy from Jira
  - Trained new dedicated GitHub team, then handed off to them
- Built and maintained several packages shared across microservices, addressing cross-cutting concerns



## Willis Towers Watson plc

### (2/2017 - 7/2021) Software Architect

- Promotion—worked with several dev teams as a force-multiplier, with a specific focus on:
  - Helping teams redesign legacy code as event-based microservices
  - Using refactoring to arrive at those designs (instead of full-scale rewrites)
  - Assisting teams as they migrated to new CI/CD tooling
  - Coordinating integration between teams & their microservices
  - Recommending best practices, patterns, and strategies
  - Assisting developers to grow their personal software skills and plan for their careers (mentoring)
- Built out IaC environments in Azure
- Built and maintained several packages shared across microservices, addressing cross-cutting concerns



### (3/2016 - 2/2017) Senior Software Developer

- Played a central role in designing and implementing the strategy for migrating to new database technology
  - Created efficient tooling to perform automated document migration and validation

- General bugfixes, improving the performance of various components across our system
  - Improved the performance of our largest query by 50-80%
- Explored options for moving our legacy monolith code to microservices

.NET C# Dapper Git Marten Moq NuGet PostoreSQL RavenDB Storyteller StructureMap TeamCity

## Aviacode, Inc.

### (8/2013 - 2/2016) Senior Software Developer

- Helped design and build new SaaS platform for medical coding professionals, including:
  - Server-side distributed system
  - Onion architecture
  - Durable messaging
  - Document storage
  - Client-side SPA
- Specific focus on back-end processes and security
- Got to work under some truly amazing architects. While I wasn't the one driving this time around, I learned a lot.

.NET AJAX AngularJS Angular 2 ASP.NET Autofac C# CSS 3 Git HTML 5 IIS JavaScript JQuery JSON Mercurial MSMQ  
NHibernate NuGet RavenDB Rhino Mocks SAML T4 TeamCity TypeScript WIF XML

## Centershift, Inc.

### (2/2005 - 7/2013) Software Developer

- While the company used the same title for all developers, I served in the sole R&D/architect position.
- Researched and spearheaded several initiatives to improve our software and SDLC, including:

- Project management

Agile Scrum

- Led a 2-day conference to train the entire company
- Helped train other companies with a coworker as a side gig

- Centralized source control

Hypervisor TFS VM VNet

- Automated CI/CD and log aggregation
- Virtual dynamic test lab
- Branching strategies

- Patterns & practices

Clean Code Code Contracts DDD OOP SOA SOLID

- Development techniques

Craftsmanship Pair Programming Refactoring

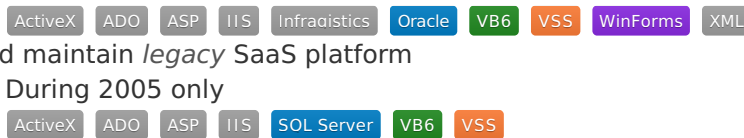
- Testing techniques

Mocks Test Automation Test Pyramid TDD

- Architect and lead developer on *vNext* SaaS platform
  - Built and maintained core components for other developers, including:
    - CI/CD pipeline
    - Automated test environment
    - Project architecture
    - Authentication
    - Data access
    - Security
    - Credit card processing
  - Platform was much more robust than anything the company had built before
  - Single codebase, built & optimized for multiple target platforms
  - 10,000+ unit & integration tests ran against each target platform, all in <5 mins
  - Maintained >=90% code coverage



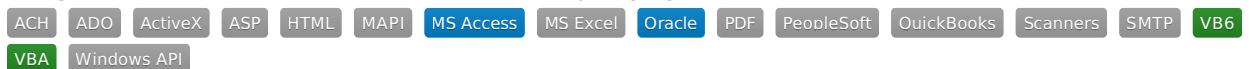
- Inherited lead development role for *current* SaaS platform. Significant contributions include:
  - Data access
  - Core object model
  - Common UI controls
  - Web services layer
  - Deployment and Windows installer
- Helped maintain *legacy* SaaS platform
  - During 2005 only
- Provided general support for the rest of the development team. When anyone needed help, I was the one they came to.



## Keane, Inc.

### (7/2001 - 1/2005) Consultant

- Contracted to The Church of Jesus Christ of Latter-day Saints
- Designed, built, and/or maintained several applications and databases, including:
  - Global missionary debit card stipend system
  - Genealogical (and other historical) records manager
  - Tracking system for welfare provided to homeless people in Salt Lake City
  - Integration of financial data with various 3<sup>rd</sup>-party systems



- Helped maintain and enhance several legacy applications, including:
  - Global missionary onboarding system
  - Custom project management application
  - Parking permit & ticket management (on handheld devices) for church properties
- Provided general IT support and consulting services



## PEGUS Research, Inc.

### (7/1999 - 7/2001) Technical Research Assistant

- Designed, built, and/or maintained several applications and databases, including:
  - Pharmaceutical research studies for companies such as Novartis and GlaxoSmithKline
  - Internal time tracking and payroll
  - Nationwide network of partner pharmacies



- Provided IT support throughout the company

## Past Certifications

---

I've earned various certifications over the years—these are no longer active, but demonstrate breadth of foundational knowledge. Always happy to pursue new ones if needed.

**Microsoft**  
**CERTIFIED**  
Professional

---

**Microsoft**  
Technology Associate  
Windows Operating  
System Fundamentals

**Microsoft**  
Technology Associate  
Windows Server  
Administration  
Fundamentals

---

**Microsoft**  
Technology Associate  
Software Development  
Fundamentals

**Microsoft**  
Technology Associate  
Web Development  
Fundamentals

**Microsoft**  
Technology Associate  
Database Fundamentals

---

**Microsoft**  
Technology Associate  
Networking  
Fundamentals

**Microsoft**  
Technology Associate  
Security  
Fundamentals



---

**ORACLE®**  
**Certified Associate**  
Java SE 7 Programmer