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

Skills

Domain	Technologies & Expertise
Architecture	DDD, 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 & Infra	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
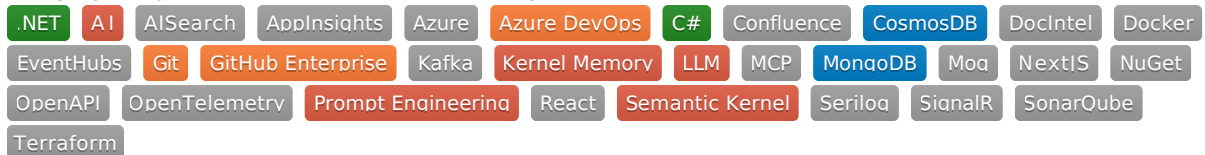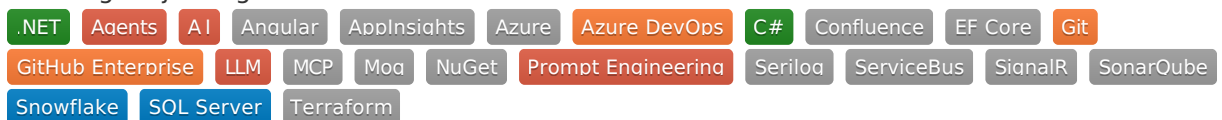*Western Governors University, 2016*

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

        `.NET` `AI` `AISearch` `AppInsights` `Azure` `Azure DevOps` `C#` `Confluence` `CosmosDB` `DocIntel` `Docker` `EventHubs` `Git` `GitHub Enterprise` `Kafka` `Kernel Memory` `LLM` `MCP` `MongoDB` `Moq` `NextJS` `NuGet` `OpenAPI` `OpenTelemetry` `Prompt Engineering` `React` `Semantic Kernel` `Serilog` `SignalR` `SonarQube` `Terraform`
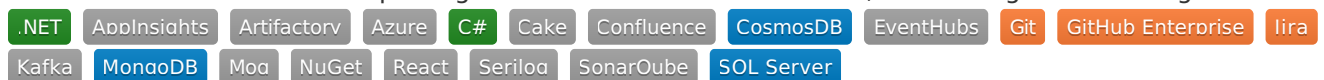
- Recently joined a BI team where I'm applying my recent AI expertise
    - Moving to allow users to chat with AI over our entire Data Warehouse
    - Customizing AI Agents and various prompt instructions for vibe coding
    - Planning major migration between Azure tenants

        `.NET` `Agents` `AI` `Angular` `AppInsights` `Azure` `Azure DevOps` `C#` `Confluence` `EF Core` `Git` `GitHub Enterprise` `LLM` `MCP` `Moq` `NuGet` `Prompt Engineering` `Serilog` `ServiceBus` `SignalR` `SonarQube` `Snowflake` `SQL Server` `Terraform`

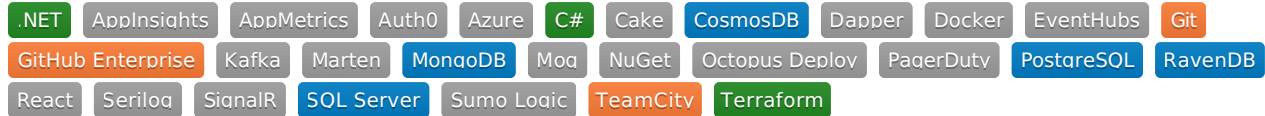### (7/2021 - 3/2023) Software Architect

- 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

    `.NET` `AppInsights` `Artifactory` `Azure` `C#` `Cake` `Confluence` `CosmosDB` `EventHubs` `Git` `GitHub Enterprise` `Jira` `Kafka` `MongoDB` `Moq` `NuGet` `React` `Serilog` `SonarQube` `SQL Server`

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

.NET · AppInsights · AppMetrics · Auth0 · Azure · C# · Cake · CosmosDB · Dapper · Docker · EventHubs · Git · GitHub Enterprise · Kafka · Marten · MongoDB · Moq · NuGet · Octopus Deploy · PagerDuty · PostgreSQL · RavenDB · React · Serilog · SignalR · SQL Server · Sumo Logic · TeamCity · Terraform

***(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 · PostgreSQL · 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

Additional experience (1999–2013) available at https://taffareljr.github.io/resume