TREY WHEELER

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Professional Summary

Senior Software Engineer & Product Architect with 15+ years building web, cloud, and mobile systems and leading teams through XP/TDD. Designed microservice messaging with Akka.NET/RabbitMQ, built SPA front-ends in React/Angular, and shipped Android and game products. Known for codifying architectures into reusable frameworks that compress delivery timelines.

Core Skills

C#, .NET (Core/Framework), Azure, ASP.NET, Unity, TypeScript/JavaScript, React, Angular, Akka.NET, RabbitMQ, REST, Microservices, Actor Model, XP, Pair Programming, TDD, CI/CD, Android, MVVM, SQL/NoSQL, Redis

Experience

2021-Present — **Game Developer | Creative Director**
Daemon Games, LLC - Olathe, KS
- Established content frameworks so designers could author and ship features with minimal engineer oversight while preserving standards.
- Built a configurable scripting system that standardized gameplay logic and enabled safe, repeatable content creation by non-engineers.
- Evolved workflows to balance rapid iteration with product stability throughout development.

2017-2021 — **Senior Software Engineer | Product Architect**
Anthology - Leawood, KS
- Practiced Extreme Programming—pairing and TDD—to keep quality high and feedback loops short.
- Implemented Akka.NET and RabbitMQ to power a production microservice email marketing platform.
- Modernized front ends with React/Redux and automated tests (Jest/Enzyme) to increase reliability and developer confidence.
- Integrated PayPal into a legacy ASP.NET Forms donation flow to broaden payment options and reduce checkout friction.
- Documented application architecture to expand troubleshooting coverage and ease onboarding across the department.

2006-2017 — **Front-End Architect | Mobile Developer | Web Applications Developer**
Lucity - Overland Park, KS
- Led adoption of .NET, Android, and Angular to open new platform capabilities and modernize delivery.
- Codified best practices to standardize development across peers and improve code health.
- Consolidated stakeholder requirements and produced mockups to align direction and reduce rework.

- Mentored junior developers and advocated for maintainable, extensible codebases.
- Presented new feature development at the annual conference to drive adoption and gather feedback.

Focal Projects
- **SPA Migrations (Angular/TypeScript):** Built object-oriented, injection-driven SPA; delivered WYSIWYG-configurable, data-driven UI; advised on REST APIs; created reusable core components.
- **Toolkit Framework:** Authored stateless domain framework and service/UI layers allowing juniors to deliver extensions without worrying about state, permissions, or errors; replaced years of custom work in 6 months.
- **Tablet App (Android/MVVM):** Built offline-capable mobile client with state persistence and on-demand sync; integrated via REST.
- **ASP.NET Web App:** C++ to ASP.NET migration; introduced CompositeControl/IScriptControl for AJAX via web services; authored CSLA business objects.

Education
2003-2006   **University of Advancing Technology**
Bachelor of Science in Software Engineering