Michael J. Ryan

Phoenix, AZ, USA | Remote
Email: tracker1@gmail.com | Phone: (480) 270-4509 | Website: tracker1.dev

LinkedIn: linkedin.com/in/tracker1
GitHub: github.com/tracker1 (50+ repos, 150+ stars)
StackOverflow: stackoverflow.com/users/43906/tracker1 (Top 2%, 19,000+ score)
NPM: npmjs.com/~tracker1 (18 packages, e.g., node-uuid4, node-scrypt-js)

Professional Summary

Dynamic full-stack software engineer and architect with 25+ years of experience designing scalable, high-impact web applications for user bases ranging from dozens to millions. Expert in TypeScript, JavaScript, C#, and modern frameworks like React and Node.js. Renowned for architecting robust solutions, mentoring teams, and driving open-source innovation with 18 NPM packages, 50+ GitHub repositories, and a top 2% StackOverflow ranking. Passionate about delivering cutting-edge solutions with a strong foundation in both legacy and modern technologies.

Core Competencies

- Languages: JavaScript (25+ years), TypeScript (10+ years), C# (20+ years), SQL (25+ years), Rust, Go, ActionScript, ExtendScript
- Front-End: React, Redux, Material UI (MUI), Angular, HTMX, jQuery, Bootstrap, HTML5, CSS3
- Back-End: Node.js, Express, Koa, ASP.NET (MVC, WebAPI, WebForms), .NET Core, WCF
- Databases: Microsoft SQL Server, PostgreSQL, MySQL, SQLite, AWS DynamoDB, Cassandra, Redis, Azure Cognitive Search, Elasticsearch
- Cloud & DevOps: AWS (Lambda, S3, Elastic Beanstalk), Azure (DevOps, Storage, API Gateway), Kubernetes, Docker, Terraform, CI/CD (GitHub, Azure DevOps)
- Tools & Platforms: GitHub, NPM, Cloudflare Pages/Workers, Webpack, Babel, NSwag
- Specializations: Solution architecture, API design, authentication systems, UI/UX, open-source contributions

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Professional Experience

Software Developer

Intersect Group (City of Phoenix)
Apr 2025 – Present | Phoenix, AZ (Remote, Contract)

- Developing election management web application for the City Clerk's office to streamline city election processes.
- Technologies: C#, .NET Core, Web Services, FastEndpoints, Microsoft SQL Server, Dapper, React

Software Engineer

Staffing Science (Consumer Cellular)
Feb 2025 – Jun 2025 | Phoenix, AZ (Remote, Contract)

- Built integration solutions for MVNO services and carrier APIs, enhancing internal system interoperability.
- Technologies: Vue, TypeScript, C#, ASP.NET MVC, WCF, .NET Core, RabbitMQ, Kafka, Microsoft SQL Server

Lead Developer

Self
Dec 2024 – Feb 2025 | Phoenix, AZ (Remote)

- Architected retail kiosk platform using TypeScript, React, Next.js, Express, and Apollo GraphQL for real-time operations.
- Developed Chrome extension with Deno and ESBuild for browser tab content streaming and review.
- Designed proof-of-concept social media platform using Cloudflare Pages, HTMX, Hono, and Turso.
- Technologies: TypeScript, Node.js, React, Next.js, Express, Apollo GraphQL, CockroachDB, PostgreSQL, Cloudflare Pages, HTMX, Hono, Turso

Staff Engineer

BlankFactor (Bank of America)
Apr 2024 – Oct 2024 | Phoenix, AZ (Remote)

- Contributed to merchant services application uplift, creating Strategic Architectural Diagrams (SAD) to guide development.
- Provided technical insights for product planning and PI initiatives, improving architectural clarity.
- Technologies: Microsoft Visio, PowerPoint

Lead Developer

Yoh (First American Title Insurance Company)
May 2023 – Aug 2023 | Phoenix, AZ (Remote, Contract)

- Led development and refactoring of title process management application using AWS Lambda and Apollo GraphQL.
- Enhanced front-end with React, TypeScript, and MUI, integrating with a micro-UI platform library.
- Technologies: AWS DynamoDB, AWS Lambda, Terraform, GitHub Actions, Node.js, Apollo GraphQL, React, TypeScript, MUI

Senior Software Developer

Vaco (HCA/HealthTrust)
Oct 2022 – Apr 2023 | Phoenix, AZ (Remote, Contract)

- Led UI refinement and established best practices for a medical supplies procurement application.
- Migrated front-end components to MUI, aligning with corporate standards.
- Technologies: Azure (API Gateway, CDN, Cognitive Search, Functions, Storage), Azure DevOps, ASP.NET MVC, C# 7, .NET Core, Dapper, React, TypeScript, MUI

Staff Engineer II

ServiceTitan
Oct 2021 – Sep 2022 | Phoenix, AZ (Remote)

- Led design and development of customer-facing API services, integrating with Microsoft SQL Server and PostgreSQL.

- Built front-end applications with React, TypeScript, MobX, and MUI for state management and UI consistency.
- Technologies: C# 5/6, .NET Core, ASP.NET MVC, WebAPI, Dapper, Microsoft SQL Server, PostgreSQL, Azure, Kubernetes, Kafka, Identity Server, React, MobX, MUI

Senior Software Developer

Runbeck Election Services, Inc.
Jun 2018 – Sep 2021 | Phoenix, AZ (Hybrid)

- Designed "Vocem" petition scanning/validation web app, praised for its UI/UX by the Washington Secretary of State.
- Developed "Auth App" for RBAC, meeting NIST guidelines and supporting embedded and cloud deployments.
- Built "Vocem Online," the first U.S. online ballot endorsement platform for the City of Boulder, CO.
- Technologies: React, Redux, MUI, JavaScript, Node.js, Koa, C# (.NET Core), ASP.NET, Microsoft SQL Server, PostgreSQL, SQLite, Redis, RabbitMQ, Azure DevOps, Docker, Kubernetes, Helm

Senior Software Developer

Berkadia
Oct 2017 – May 2018 | Phoenix, AZ (Onsite)

- Developed "DesignView," an InDesign-based marketing material creation suite, leveraging modern JavaScript and ExtendScript.
- Built composite build system for ExtendScript output and CEP extension for InDesign integration.
- Technologies: Angular, Redux, Webpack, Babel, Docker, Node.js, Koa, Adobe ExtendScript, Adobe CEP Extensions, Adobe InDesign

Senior Developer / Architect

Emailage
Jan 2017 – Aug 2017 | Chandler, AZ (Onsite)

- Designed next-generation client portal with Node.js, Express, React, and MUI.

- Rewrote job processing parser to handle 3M+ CSV records in AWS Lambda within 5 minutes.
- Developed ETL pipeline for 300M+ Whois records to AWS DynamoDB.
- Technologies: Node.js, Express, Babel, Webpack, MUI, React, Redux, Bootstrap, Docker, AWS Lambda, AWS DynamoDB, Redis

(Additional experience available upon request, spanning roles at American Express, GoDaddy, US Airways, Wells Fargo, and others, 2003–2016.)

Community Contributions

- StackOverflow: Top 2% contributor (19,000+ score, 450+ answers).
- GitHub: 50+ repositories, 150+ stars, active contributor in JavaScript, TypeScript, Node.js, Go, and Rust.
- NPM: Published 18 packages, including node-uuid4 and node-scrypt-js.