

Mike McGranahan

✉ mike@mcgwiz.com ☎ +1 (310) 220-0409 🌐 Pacific timezone 🧑 he/him

📌 domain-driven design extreme programming automation cloud native documentation

❤ empathy sustainability diversity courage pragmatism

Results-driven servant leader and resourceful full-stack software craftsman of two decades. Committed to building resilient teams through trust, empathy, and team goals. Empowers individuals to take initiative and fosters growth through mutually beneficial IDPs. Passionate about creating user satisfaction and advocates strongly for iterative development. Thrives in environments with forthright management, collaborative product owners, and growth mindset.

EXPERIENCE

2022-10 to 2023-08 · Career break · *reconnection, exploration after pandemic strain*

F# AI code autocomplete property-based testing MAUI Kafka borg Btrfs Linux knowledge management

- ▶ Reading to gain perspective and skills: *The Manager's Path*, *Software Estimation*, *The Five Dysfunctions of the Team*, *The Advantage* excerpts, *Radical Focus*, *Basics of Nonviolent Communication*, *Domain Modeling Made Functional*.
- ▶ Built toy apps to explore F#, MAUI, property-based testing, event sourcing, Kafka, GitHub Copilot.
- ▶ Safeguarded home data with dmccrypt, borg, Btrfs, rdiff-backup, rclone, bash, Powershell, backupninja.

2019-11 to 2022-10 · Multiple roles at **ServiceTitan** · *operations software for trades industry businesses*

coaching planning TypeScript C# ASP.NET Core React mobx SQL Server microservices Redis cordova

- ▶ **2021-01 to 2022-10** · Engineering Manager
 - ▶ Improved cross-functional squad predictability and productivity by establishing regular syncs between devs and others, expanding dev role to include minor QA tasks, and coaching devs on swarming of large user stories.
 - ▶ Upskilled team with book club / training on Domain-Driven Design, Behavior-Driven Development and automated testing; standardized research and documentation process; and QA-dev cross-training program.
 - ▶ Propelled morale with celebratory sprint reviews, blameless postmortems, 10% time, casual syncs, and shielding from noise while growing from 4 to 10 devs, absorbing domains, and having inconsistent Director involvement.
 - ▶ Collaborated with product owners and devs to create pragmatic architectures and flexible project plans:
 - Developed approach of leveraging existing single-technician workflows and backend code to support technician crew concept, paving the way into lucrative construction market.
 - Designed data model for rule-based bulk adjustment feature in workload capacity planner, supporting heavy and VIP customers experiencing significant pain.
 - Planned optional phases into project that heavily extended third-party map-based work assignment tool in order to ensure relief of the highest priority customer pain points.
 - Assigned and coached project leads on soft-skills and technical planning.
 - ▶ Architected, planned, and led scalable next-gen, contextual widget framework to sustain rapid development.
 - ▶ Partnered with recruiting and L&D, and interviewed engineering, QA, and product management candidates.
- ▶ **2020-09 to 2021-01** · Staff Engineer (*organization releveling*)
 - ▶ Took over neglected 1:1s, attentively listened, and fastidiously resolved issues, leading to improved sentiment.
 - ▶ Initiated document repository to distribute tribal knowledge, including Kibana and git recipes, on-call incident procedures, and technical documentation and diagrams, in order to increase resiliency.
 - ▶ Partnered with product managers to analyze ideas, establish rough estimates, and plan roadmaps.

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► 2019–11 to 2020–09 · Engineering Lead

- Rebooted Scrum implementation to improve team cohesion, focus, productivity, and performance tracking.
- Led massive refactoring of core data models to decouple work invoicing from scheduling to simplify workflows.

2018–03 to 2019–09 · Head of Engineering at **Reasi** · *blockchain-based real estate escrow*

TypeScript Node.js React PostgreSQL CircleCI Docker Jest AWS Koa Solidity web3.js

- Built trustless escrow with Dwolla banking/identity APIs, Ethereum smart contracts, PDF generation, DocuSign.
- Optimized developer experience and stability with containers, monorepo, githooks-based linting, migrations.
- Streamlined DevOps with CircleCI, Amazon ECS, finely-tuneable logging framework, Apache ngrok clone.
- Devised recruiting process to minimize bias; refined approach to attract quality candidates despite limited cash.
- Setup lightweight work management processes based on Scrum, buffered MoSCoW planning.
- Mentored developers, product owners to accelerate their professional development.
- Built RSA/AES hybrid encryption, PostgreSQL distributed lock and job scheduler, JS Proxy-based dirty-checker.

2016–08 to 2018–03 · Senior Instructor at **Sabio Bootcamp** / Adjunct Faculty at **Antioch University L.A.**

C# Node.js React Bootstrap ASP.NET MVC Express SQL Server MongoDB AngularJS public speaking TFS

- Developed lessons, exercises for accredited courses in C#- and Node.js-based web development.
- Trained, mentored 60+ junior developers as they entered the workforce, with 90% 6-month job hire rate.
- Devised flexible roadmaps, ran Scrum, tailored tasks painstakingly to maximize project-based learning.

2014–04 to 2016–06 · Web Developer at **Stack Overflow** · *Q&A for developers*

C# SQL Server A/B testing React Redis Elasticsearch Backbone.js jQuery ASP.NET MVC TeamCity GitLab

- Overhauled critical ecommerce system for UX experimentation, technical debt, testability.
- Mentored junior women developers through partnerships with Flatiron School, Girl Develop It NYC.

2012–04 to 2014–02 · Creator at **Blocvox** · *collaborative social networking service*

C# MongoDB ASP.NET MVC MSBuild Backbone.js RequireJS CasperJS PhantomJS Azure TeamCity Linux

Architected for scale with CQRS, DDD, and safeguarded MongoDB with OpenVPN and LVM.

2010–06 to 2012–04 · Technology Consultant at **Lab49** · *FinTech consultancy*

C# SQL Server Analysis Services Java WPF Node.js WebSockets Selenium Jenkins TeamCity Pivotal

Rapidly developed streaming financial dashboards for global investment banks in distributed teams.

2008–10 to 2010–06 · Software Engineer at **GameFly** · *video game rentals*

C# ASP.NET MVC Lucene.net Ruby Rails SQL Server MSBuild NHibernate SQL Server NUnit

Modernized company tech stack to improve stability, maintainability, and test automation.

2007–01 to 2008–10 · Lead Developer at **Reborn Studio** · *general software consultancy*

C# ASP.NET WebForms SQL Server Subversion

Established coding standards and led development of social, video, and geographic search apps.

2004–08 to 2007–01 · Programmer/Analyst at **UCLA** · *public research university*

C# ASP.NET WebForms SQL Server VB.net VB6 Windows Forms

Developed SOAP services for campus gradebook management, Exchange server calendaring.

EDUCATION

- **UCLA** · B.A., Political Science · Part of B.S., Computer Science & Engineering program: *Systems Programming, Logic Design of Digital Systems, Computer Systems Architecture, Computer Network Fundamentals, Database Systems, Formal Languages and Automata Theory, Circuit Analysis, Systems and Signals*, and *Physics for Electrical Engineers*.
- Certified ScrumMaster