Mike McGranahan

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👍 domain-driven design │ documentation │ empathy │ diversity │ courage

Resourceful and results-focused software craftsman with two decades of experience, including six in leadership roles. As a servant leader, focused on listening attentively, reducing risks, and up-skilling the team. As a developer, passionate about tackling team goals and satisfying customers by writing developer-friendly, secure, performant code, and any other means necessary. A strong advocate for continuous delivery and domain-driven design to sustain success.

EXPERIENCE

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

F# │ AI code autocompletion │ property-based testing │ MAUI │ Kafka │ Borg │ Btrfs │ Linux │ knowledge management

▸ Experimented with F#, MAUI, property-based testing, event sourcing, Kafka, GitHub Copilot.

▸ Safeguarded home data with dmcrypt, borg, Btrfs, rdiff-backup, rclone, bash, Powershell, backupninja.

▸ Reading: *The Manager's Path*, *Software Estimation*, *The Five Dysfunctions of the Team The Advantage* excerpts, *Radical Focus*, *Basics of Nonviolent Communication*, *The Power of Timeblocking*, *Domain Modeling Made Functional*.

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

coaching │ planning │ C# │ TypeScript │ ASP.NET Core │ React │ MobX │ SQL Server │ microservices │ Redis │ Cordova │ Kibana

▸ **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.

▸ Up-skilled 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

▸ 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.

▸ Rebooted Scrum implementation to improve team cohesion, focus, productivity, and performance tracking.

▸ Led massive refactoring of core data models to decouple invoicing and scheduling in order 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 DevEx with containers, monorepo, githooks-based linting, migrations, custom Apache ngrok clone.
▸ Streamlined DevOps with CircleCI, AWS ECS, tuneable logging, and envelope encryption for PII data at rest.
▸ 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.
▸ Provided tailored mentorship to developers, product owners to accelerate their careers.
▸ Built PostgreSQL distributed lock and job scheduler, JS Proxy-based dirty-checker to support write optimization.

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 e-commerce 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** · Founder / Wearer of All Hats 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