Mike McGranahan

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

Results-oriented software craftsman with 20 YoE (six in leadership/management) in complex domains with demanding non-functional requirements. As a manager, passionate about team trust, empathetic listening, and risk reduction. As a developer, focused on tackling team goals; delivering safe, performant, developer-friendly solutions; and stepping up wherever needed. Advocates strongly for iterative development and domain-driven design as means to sustain success.

EXPERIENCE

2022–10 to **2023–08** · Sabbatical · *reconnection, and leisurely research into topics of interest*

| 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.

▸ Read books: *The Manager's Path*, *Software Estimation*, *The Five Dysfunctions of the Team, The Advantage* excerpts, *Radical Focus*, *Basics of Nonviolent Communication*, *The Power of Time Blocking*, *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

▸ Owned company's most utilized, critical, and complex screen, and prioritized performance enhancements to keep pace with usage growth to 35k daily active users and 2 million requests per day.

▸ Architected, planned, and led scalable next-gen, contextual widget framework to sustain rapid development.

▸ Up-skilled team with: book club / training on Domain-Driven Design, Behavior-Driven Development and automated testing; standardized research and documentation process; QA/dev cross-training program.

▸ Elevated morale with win-focused sprint reviews, blameless postmortems, 10%-time projects, and casual syncs, while rapidly growing from 4 to 10 devs, absorbing domains, and forging ahead in spite of director turnover.

▸ Bolstered cross-functional squad predictability by installing iterative processes, establishing syncs between devs and others, expanding dev role to include minor QA tasks, and coaching devs on swarming of large work items.

▸ Collaborated with product owners and devs to create pragmatic architectures and flexible project plans:
  – Leveraged code to expedite "technician crew" bulk workflows, unblocking entry into construction market.
  – Designed flexible data model for rule-based adjustment in workload capacity planner, alleviating VIP user pain.
  – Planned enhancements to geographical work assignment tool with optional phases, hedging against complications in underlying 3rd party mapping library and ensuring priority pain points were addressed.
  – Assigned project leads and coached on soft-skills and planning, creating team redundancy and scalability.

▸ Interviewed engineering, QA, and PM candidates,

▸ **2020–09** to **2021–01** · Staff Engineer

▸ Took over team's neglected 1:1s by listening empatheticaly, resolving issues and coaching, to improve 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 and break down silos.

▸ Partnered with product managers to analyze ideas, establish rough estimates, and plan roadmaps.

▸ Rebooted Scrum implementation to properly account for emergent work, to improve focus and performance.

▸ 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 | Lerna

▸ Built trustless escrow with Dwolla banking/identity APIs, Ethereum smart contracts, PDF generation, DocuSign.

▸ Optimized DevEx with containers, code sharing monorepo, githooks-based linting, migrations, ngrok clone.

▸ Streamlined DevOps with CircleCI, AWS ECS, tuneable logging, and envelope encryption for at-rest PII data.

▸ 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.

▸ 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.

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.

▸ Drove A/B experiments to optimize purchase flow completion and employment status freshness.

▸ Mentored junior women developers through partnerships with Flatiron School, Girl Develop It NYC.

▸ Advocated for greater codebase modularity, automated testing, and CSS standardization.

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