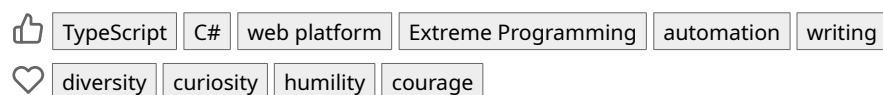


Mike McGranahan · howdy@mcgwiz.com · +1 310 220 0409 · Los Angeles, Calif.



*I am a **mission-oriented leader and resourceful software developer**. For 15 years I have developed web, desktop, and mobile applications in a breadth of industries and organizations. I take pride in developing software that is a joy to use, to maintain, **and** to administrate. I am also interested in graphic / product design and machine learning. In leadership roles, I focus on establishing clear expectations and a safe environment.*

WORK HIGHLIGHTS

- ▶ recent *Head of Engineering, Reasi* · Led development of product, processes at blockchain startup
- ▶ 1y ago *Faculty, Antioch University* · Trained 60+ students with 90% 6-month job hire rate
- ▶ 3y ago *Developer, Stack Overflow* · Overhauled critical ecommerce system; mentored jr. devs
- ▶ 5y ago *Founder, Blocvox* · Envisioned, developed, promoted collaborative discussion platform
- ▶ 7y ago *Developer, Lab49* · Rapidly developed streaming financial dashboards for web, desktop
- ▶ 9y ago *Developer, GameFly* · Modernized company tech stack, improving test automation
- ▶ 11y ago *Developer, Reborn Studio* · Led development of product, processes for dev shop
- ▶ 12y ago *Developer, UCLA* · Led development of campus grade submission web service
- ▶ ongoing *Sysadmin, mcgwiz.com* · Automated cloud backup; setup VPN, web/file/Git hosting

EDUCATION

- ▶ UCLA, B.A., Political Science, plus substantial progress toward B.S., Computer Science
- ▶ Certified ScrumMaster

EXPERTISE

Languages	TypeScript	modern JavaScript	C#	SQL	HTML	CSS	bash	batch	Solidity	F#	Markdown
Practices	CI/CD	automated testing	Scrum	Git flow	Extreme Programming	MoSCoW planning					
Design	REST/hypermedia	DDD	OOP/SOLID	FP	monorepo	containerization	data security	abstraction			
	loose coupling	UML	microservices								
DevOps	Docker	Kubernetes	Linux	Windows Server	AWS	Azure	Google Cloud	Heroku			
	blue/green deployment	A/B/n testing	feature flags/rollouts								
Web	HTTP	DOM	WebSockets	SEO	CSRF	XSS					
.NET	NuGet	.NET Core	ASP.NET Core	EF	Unity container	SignalR	WPF				
JavaScript	Node.js	npm	React	Express	Koa	AngularJS	JSON Schema				
Databases	PostgreSQL	SQL Server	Elasticsearch	Redis	MongoDB	CouchDB	blockchain				
Testing	Mocha	Jest	Qunit	headless browsers	Moq	XUnit	MSTest	Selenium	CasperJS		

WORK DETAIL

2018-03 to 2019-09 · Head of Engineering, Reasi · *Los Angeles* · *blockchain real-estate transactions*

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

- ▶ Built trustless escrow product by integrating Dwolla banking/IDV API, Ethereum smart contracts.
- ▶ Optimized developer experience with monorepo, containers, linting, migrations.
- ▶ Streamlined DevOps with CircleCI, AWS ECS, finely-tuneable logging.
- ▶ Devised recruiting process, emphasizing minimization of bias; refined messaging to attract candidates and grow globally-distributed team despite limited resources.
- ▶ Setup lightweight work management processes based on Scrum, buffered MoSCoW planning.
- ▶ Mentored developers, product owners to accelerate their professional development.
- ▶ Researched, recommended, engaged technology partners.
- ▶ Notable contributions: Apache ngrok alternative, RSA/AES hybrid encryption, PostgreSQL distributed locking, PostgreSQL message queue, JavaScript Proxy dirty-checking.

2016-08 to 2018-03 · Senior Technical Instructor, Sabio Bootcamp, *in partnership as* Adjunct Faculty, Antioch University, Los Angeles · *Los Angeles* · *immersive full-stack web bootcamp focused on diversity*

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

- ▶ Developed lessons, exercises for accredited courses in C#- and Node.js-based web development, including practical skills (e.g. debugging) and theory (e.g. memory management, cryptography).
- ▶ Mentored, counseled junior developers of non-traditional backgrounds coping with imposture syndrome while searching for their first developer job.
- ▶ Setup Scrum-y process to develop real MVPs while tailoring work to individual student needs.
- ▶ Met with third-party entrepreneurs to establish scope, gather requirements, design product.

2014-04 to 2016-06 · Web Developer, Stack Overflow · *NYC* · *Q&A for software developers*

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

- ▶ Overhauled critical ecommerce code to pay down technical debt, increase testability.
- ▶ Mentored junior developers through partnerships with Flatiron School and Girl Develop It NYC.
- ▶ Collaborated with globally-distributed team of designers, PMs to develop, optimize numerous intricate user-facing features.

2012-04 to 2014-02 · Founder, Blocvox · *NYC* · *collaborative discussion between different social groups*

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

- ▶ Architected for scale with CQRS, DDD, and custom Castle Windsor event-wiring facility.
- ▶ Secured MongoDB replication with OpenVPN; leveraged LVM snapshots to backup data.
- ▶ Developed front-end as Backbone.js SPA, with ASP.NET server-side rendering for SEO, using shared isomorphic Mustache templates; built custom treemap-based layout engine.

2010-06 to 2012-04 · Technology Consultant, Lab49 · *NYC; Washington, D.C.* · *FinTech consultancy*

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

- ▶ Rapidly developed financial dashboards with globally-distributed team using diverse technologies such as Java, Spring MVC; .NET, WPF; SQL Server Analytics Services OLAP cubes; WebSockets,

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long-polling; Cucumber, Jasmine, Capybara.

2008-10 to 2010-06 · Software Engineer, GameFly · *Los Angeles* · *video game rental service*

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

- Pioneered new technologies for the engineering team, including ASP.NET MVC, Ruby on Rails, LINQ to SQL, Lucene.net full-text indexing while building community sites.

2007-01 to 2008-10 · Lead Developer, Reborn Studio · *Los Angeles* · *full-service web consultancy*

C# ASP.NET SQL Server Subversion

- Led development to establish quality standards, practices while building social, video sites, and to successfully position for acquisition.

2004-08 to 2007-01 · Programmer/Analyst, UCLA · *Los Angeles* · *public research university*

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

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

Since 2003 · System Administrator, mcgwiz.com · *home* · *hobby server*

Linux Windows Server VirtualBox Apache rdiff-backup backupninja MySQL TeamCity MongoDB

- Administrate Linux and Windows servers: VirtualBox, Apache, IIS, MongoDB cluster/backup, local client/server diff backups, automated encrypted cloud backup with Tarsnap, OpenVPN.