



Gavin N. Morgan, Software Developer

Technical generalist: there's no role I
can't play on a two-pizza team.

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Skills

Software Development: SaaS Application Development, DevOps, eXtreme Programming, Pair Programming, Test-Driven Development, Release Engineering, Continuous Integration & Delivery

Engineering Leadership: Project Scoping, Mentoring, Recruiting, Interviewing, Hiring, Hackathon & Volunteer Coordinating

Product Management: Road-mapping, Design Thinking, Kanban & Agile Project Management, UX Research, Product Validation, Market & Customer Validation

Communication: Writing, Group Facilitation, Interpersonal Conflict Resolution, Pitching, Business Modeling, Lateral Thinking, Afro-Caribbean Jazz Saxophone

Tools

AI: Ollama, llama-index, qdrant

Languages: TypeScript, Ruby, Bash, Python, SQL, Golang, Scala, Java, Node, CSS / HTML

Infra: Docker, K8s, Terraform, BOSH

CI/CD: Concourse, GoCD, Jenkins, CircleCI

Frontend: Vite, React, Preact, bun, Babel, Webpack, d3, Angular, Backbone, Figma

Backend: Rails, Sinatra, Flask, Spring

PAAS: Cloudflare, GCP, AWS, Firebase, Cloud Foundry, VMware Tanzu

Education

University of California, Santa Cruz
Foothill College

2020 – Present

Freelance Consultant • Various

- Revitalized legacy codebase through automated test suite
- Gathered requirements and facilitated design process
- Advise and demo AI/ML operationalization & strategy

2020 – 2022

Co-Founder/CPO • Druthers.app

Real-time peer-to-peer multiplayer group decision-making

- Designed and implemented responsive mobile UI
- Co-implemented CRDT over WebRTC networked persistence
- [In]validated market through customer interviews and testing

Aug 2019 – March 2020

MTS 3 • VMware, Inc. (acq. Pivotal Software)

As a Senior Software Engineer (and then MTS 3) at Pivotal Software (and, post-acquisition, VMware),

- Maintained suites of automated testing, validation, and deployment pipelines on PKS (now Tanzu Kubernetes Grid) Release Engineering.
- Contributed code to PaaS control plane application

March 2017 – Sep 2018

Senior Software Engineer • Euclid Analytics

Contributed to infrastructure & expansion of spatial analytics platform

- Implemented full-stack data collection features from captive portals through to databases
- Introduced automated test suites, mentored junior devs in test-driven development
- Collaborated with data science and dev/ops teams

2015 – 2017

Founder/CTO • Various Startup Endeavors

BitRegister: Touchscreen cryptocurrency-enabled point-of-sale terminal

- Designed and implemented UI and blockchain integration

FirstClassCI: Enterprise-scale continuous integration and delivery

- Designed and implemented application for self-provisioning clusters

Concrn: Dispatching community responders to mental health crises

- Designed and implemented web interface to coordinate in-field
- Reviewed and accepted open-source code contributions

2016 – 2017

Senior Partner • Independent Contracting

Small software contracting agency

- Gathered requirements and facilitated design process, resulting in comprehensive product roadmaps
- Led a cross-disciplinary team of five to deliver client projects

Oct 2012– Nov 2016

Senior Software Engineer • Pivotal Labs

As a developer at the Pivotal Labs software consulting firm, I pair-programmed with clients to a) ship working software, and b) teach modern languages and frameworks

- Led teams of up to four junior- and mid-level devs
- As senior dev of the Cloud Foundry *Toolsmiths*, implemented and maintained CI/CD infrastructure for that twelve-team PaaS project
- Facilitated software development operations, eg iteration retrospectives, planning meetings, project scopings, and inceptions