



Dylan Fitzgerald

720-206-4212 dylan@dylanfitzgerald.net Denver, CO, USA

Staff Software Consulting Engineer. Design, build, upgrade, and transform well-documented and maintainable systems while facilitating effective collaboration and strategic decisionmaking among technical teams and leadership.

Accolades

"Giving Dylan your money is a good idea, and you can put that in a Google review!" – EdTech client CEO

"Working with Dylan let me sleep at night" – paraphrased, Director of Application Engineering, S&P 600 company

"[Dylan] left that client a true believer" – colleague at larger consulting agency

Experience

OWNER/PRINCIPAL, ARBOREAL STUDIOS, INC.; DECEMBER 2018-PRESENT

Principal consultant and developer. Recent projects include but are not limited to:

MANAGERIAL / ENGINEERING LEADERSHIP

- Onboarded multiple consultants into a consulting agency while leading their engagements on-client
- Coordinated with leadership and dependent teams and managed a small team to design, implement, and deliver Client's Web Component library for integration into Phoenix LiveView app
- Provided hundreds of senior+-level code reviews, primarily but not exclusively for Ruby and infrastructure code, for over 100 developers from junior to CTO-level at multiple organizations across a wide range of industries. A primary offering for these was security issue identification and mitigation.

CONSULTATIVE

- Provided technical and strategic guidance, mentorship, and delivery services to technical/engineering staff, management, and leadership at and across multiple clients.
- Guided non-technical client staff through project discovery, definition, scoping and sequencing, then delivered a POC and a follow-on completion round on fixed scope basis, inclusive of development, documentation, distribution, and product demonstrations.
- Evaluated Client's web application and infrastructure for compatibility with a potential acquirer's requirements as part of due diligence process. Identified and personally addressed blocking issues. Client successfully closed acquisition.
- Audited Client's infrastructure for cost and effectiveness. Recommended and implemented migration to Render.com from CloudFormation-managed AWS. Reduced month-to-month infra spend by tens of percentages. Eliminated need for day-to-day KTLO operations support, then gracefully handed off ops ownership to in-house CTO.

SOFTWARE DEVELOPMENT

- Integrated with a tiger team of four other senior/staff consultants to pick up a client's project frame for a six-week Shape Up-styled development cycle. Delivered ahead of schedule amidst client layoffs. Supported a consultant colleague in getting promoted to Staff position.
- Improved Client's ability to reach end users by designing & building the backend and queueing architecture for a Twilio-driven push messaging/notification service
- Integrated AWS Translate into Client's Rails app, automating machine translation of user-submitted content
- Rebuilt, and prepared for deployment, Client's Javascript+Salesforce electronic signature capture implementation, enabling immediate resale to their customers & clients

INFRASTRUCTURE

- Containerized, dependency-upgraded, and migrated a profitable, long-lived NodeJS storefront application from a manually-triggered multi-step Jenkins build and deployment process to a Gitlab Actions-managed CI/CD pipeline, reducing infra spend, maintenance overhead, and time to deploy to minutes from 1h+
- Developed a containerized, cross-platform (RHEL and Windows XP SP1) Gitlab CI build pipeline for upstream C/C++ sources in satisfaction of Client's specific, government-interfacing requirements.
- For aforementioned acquisition client, planned and applied Rails upgrade, containerization, and app migration from Linode to acquirer's preferred environment, inclusive of creating new CI/CD pipeline
- Multiple Rails upgrade and infra migration/containerization projects for multiple clients, including internal long-lived API tool representing >>\$1MM/annum revenue

STAFF SOFTWARE ENGINEER, PRIVY LLC.; REMOTE – OCTOBER 2024-MAY 2025

SOFTWARE ENGINEER; CAREMESSAGE; REMOTE – JANUARY 2018-JANUARY 2019

SENIOR OPERATIONS ENGINEER, SOFTWARE ENGINEER; LEARNZILLION, INC; REMOTE – MARCH 2014-NOVEMBER 2017

DEVOPS ENGINEER, THE CLEANWEB INITIATIVE; REMOTE/CONTRACT – 2012-2014

PEACE CORPS VOLUNTEER, TECHNOLOGY EDUCATION; US PEACE CORPS/THE GAMBIA – 2010-2013

SYSTEMS ADMINISTRATOR, DYNAMO LABS (CONTRACT); DALLAS, TX – FEBRUARY-JUNE 2010

Skills

- Languages: Ruby, Rails, Elixir/OTP, Phoenix, JavaScript/Typescript, HTML, CSS/Sass, SQL, HCL, bash
- Frameworks and ecosystem tools: Sidekiq (Pro, Ent), Oban, Redis, Capistrano, RSpec, standardrb, RuboCop, NodeJS, React, Lit (formerly LitElement)
- API design, documentation, implementation, and integration (1st and 3rd party)
- Extensive continuous integration/continuous deployment design and implementation across multiple platforms: GitHub Actions, CircleCI, GitLab CI, Jenkins, Sourcehut, custom scripting
- 12-factor env setup, improvement, implementation using Docker Compose, Podman Compose, Rancher, k3s, k8s, bare metal, etc.
- SDLCs and consulting tools: agile/Scrum, Kanban, Shape Up (formally trained), SFBT
- Systems & Services: GNU/Linux systems and virtualization thereof. Apache, nginx, MySQL, PostgreSQL, CDNs, OpenSSH, OpenSSL, vulnerability mitigation, etc.
- Cloud services and infrastructure/deployment management: AWS (EC2, R53, VPC, S3/Glacier, CloudFront, IAM), GCP (GKE, IAM), Terraform/Tofu, Docker/Podman/containerd, GitHub (including Actions, Workflows, Templates, CLI...), GitLab (including GitLab CI), SFDX, Kubernetes
- Strongly versed in AI augmented software development via Claude Code, ollama/local LLMs, various Emacs plugins, multiple diffusion models (local and frontier) via API and bare metal.

Education

Worcester Polytechnic Institute – B.S. Electrical and Computer Engineering, cum laude, 2006

Training

SHAPE UP VIA SHAPING IN REAL LIFE, 2ND COHORT – MAY 2023

SOLUTION-FOCUSED BRIEF THERAPY BASICS – JUNE 2021, REFRESHED APRIL 2023