



Tim Winter

Principal Engineer
Junior Entrepreneur
timsthebomb.com
Acton, MA

Tim Winter is has over a decade of high stakes, face paced, and high success rate startup experience, with 1.5 successful exits. High level, results driven IC, Team Lead, and Director of Engineering. AI/ML nerd, Devop by necessity, full stack engineer top to bottom.

Crossbeam DevOp, Principal Full Stack, and AI/ML Engineer July 2022 <-> Present

Crossbeam.com
Boston, MA Responsible for integrating aspects of the new Partnered acquisition technology into the existing system, namely Devops, authentication, user management, and lots of sticky implementation details for connecting two disparate web stacks.

Responsible implementing Crossbeam's LLM feature infrastructure and initial LLM features. Coauthored LLM and AI/ML Strategy at Crossbeam with Engineering and Product leadership.

Accomplishments:

- Design and launch of the new SalesEdge platform environment, a k8s environment deployed to aws via templates written using CDK, using modern best devops practices
- Design, plan, and execute on the cross-domain auth system for new SalesEdge platform
- Redesign of onboarding and third party platform integration systems to provide Partnered levels of functionality in Salesforce
- Wrote the LLM/Predictive Analytics (read: AI) Strategy for the company
- OpenAI integration including on demand LLM unstructured data generation and server sent event system (in Clojure, no less!).

Partnered First Engineering Hire September 2021 <-> June 2022
(acquired by Crossbeam)

Partnered.com
Boston, MA Responsible for growing the product by building it and shaping direction based on founders' vision. Responsible for launch of new Account Based Networking platform, through delivery of features and management of the launch itself.

Accomplishments:

- Delivery of high quality django, react, postgres features to turn core functionality of the account based networking system into a usable product, including user onboarding flow, waitlist system, integrations with revops partners software, the partnered salesforce package, and other user experience features
- Product design and project management of several of said projects, in particular the onboarding flow, waitlist system, and partner system integrations.

DataRobot Director of Engineering Dec 2014 Present
Engineering Manager
Senior Full-Stack Engineer

DataRobot.com
Boston, MA Serial founder, technical lead, and personnel leader of several high impact groups within DataRobot. My long running goal has been to lay groundwork to create and grow teams, and to mentor fast growing contributors into leaders.

Accomplishments:

Director of Engineering

- DRI for quarterly DataRobot On-Premise Releases performance testing, third party library compliance, translation to 3 languages, enablement materials, and timely release
- Directly responsible for quarterly performance testing across several areas- ML model modeling time, RAM usage, accuracy, and prediction performance in multiple different single and batch prediction environments, as well as functional and non-functional testing of several subsystems.
- Responsible for generating project management policy and training across all Engineering teams
- Creation, staffing, and leadership mentoring of the Federal Infrastructure Group at DataRobot, a devops group working to build infrastructure for the larger Services organization.
- Technical Lead and Maintainer of Kubernetes environment for internal tool deployment
- Technical Lead and maintainer of data pipelines for internal engineering operations and efficiency
- Also directly manage a small team of 6 direct contributors

Engineering Manager

Release Domain

- Team definition and founding of the Release Domain
- Architecting and creating build and release automation built on Jenkins CI/CD automation and custom in-house PR test orchestration tools.
- Architecting and creating internal development tools, built into a custom AWS based kubernetes cluster, using standard modern pythonic web frameworks such as Flask and Django and modern best web development practices.
- Lead and Technical Author of Helm based Kubernetes compatibility layer system , used as a basis for deploying dockerized apps for internal usage
- Enable Support team to debug and address customer site issues with the dockerized cluster-based software application, DataRobot
- Defining, consensus gathering, and implementing engineering wide and company wide policies on workflow and release management

Engineering Manager

Developer Infrastructure Domain

- People and Technical Lead of the CI/CD Domain "Developer Infrastructure" Domain
- Team Definition, growth, and eventual self-sustenance
- Architecture, build, deployment, and driving adoption of DataRobot's custom "Bazel-like" middleware *JARVIS*, transitioning the company to monorepo practices allowing the development team to scale
- Directly responsible individual for app delivery and maintenance of internal Deis cluster
- Migration of the Jenkins CI/CD systems to the cloud and scaling from 50 engineers to supporting 300+

"Squad" Lead of the On-Premise Platform Domain, responsible for:

- Technical lead the migration of DataRobot from cloud-only to a cloud/on-premise hybrid
- Technical lead of building the on-premise infrastructure on a custom docker-based orchestration system (before Swarm / Kubernetes was widely available and production ready) with a heavy focus on automating ansible and other server orchestration tools.
- Built fully automated AWS based cluster creation, deployment and test systems used by all engineers to this day.

Senior Full-Stack Engineer

Direct contributor to the web based DataRobot AutoML Platform, expert in python2/3, devops, and strong hand in predictive analytics and machine learning. Thorough experience with using, maintaining, and automating the deployment of mongodb, postgres, redis, and a variety of hadoop components as part of this work.

Apartments247 Full Stack Developer and DevOps Engineer Sept 2013 Dec 2014

apartments247.com
Pahrump, NV

Worked as a direct contributor on a high traffic proprietary CMS system, working on frontend, backend, and infrastructure in a small team. Technologies used include python, django, mongodb, postgres, ubuntu servers.

Freelance Full Stack Developer and DevOps Engineer May 2012 Sept 2013

vermontgleaningcollective.org
ultraoptix.com

Full service web development, utilizing a variety of web technologies.

several small engagements

Formal Education Bachelors of Science, Chemistry
Worcester Polytechnic Institutes 2007

Websites Timsthebomb.com github.com/tim-win

Technical Expertise	Languages	Python typescript bash Clojure PHP C++ Make SQL and dozens of DSLs
	O/S	Ubuntu Debian Fedora Centos RHEL and RPi OS for flavor
	Frameworks / Tools	Docker/Kubernetes Flask Django Numpy Pytorch Tensorflow React Ansible
	Services	AWS (CDK, EC2, EKS, ECS, S3, RDS, Cloudformation, ...others) Postgres (and other SQL Databases) Redis Mongo Nginx Apache
	Management / Tools	Project Management, Leadership Mentoring, Agile (Scrum and Kanban), Git, Interviewing and Staffing, Product Management, Skip Level Management