

Ryan Detzel

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Solutions-focused Leader with 20 Years of Expertise in Software Engineering, Operations, & Project Management

Experienced and versatile software engineer offering expertise in technical project management, strategic planning, and full stack software engineering. Proven track-record of developing, troubleshooting, and executing successful software engineering projects aligned to organizational objectives with a focus on continuous process improvements, measurable deliverables, and end-user satisfaction. Deep technical expertise combined with an understanding of the importance of technical leadership, data-driven analysis, and stakeholder management. Collaborative and relationships-focused team leader with the goal of continually increased productivity and consistent outcome attainment. Individual dedicated to self-reflection and personal improvement who consistently exceeds performance metrics.

Professional Experience

Nebula.io

2022 - Current

Engineer Leader/Manager

- Introduced a new development process for all frontend engineers speeding up development by 100%
- Grew my team from zero to nine engineers in eight months
- Consistently surpassed velocity and quality goals quarter over quarter
- Implemented serverless stacks to improve deliverability, velocity, and cost across engineering
- Architected and built a new ETL pipeline that improved ingest speed by 95% and reduced costs by 85%

Tech Stack: Python, React, GCP Stack

Twitter

2015 - 2022

Senior Fullstack Engineer (Tech Lead)

- Designed and architected tooling which allowed our team to send millions of new push notifications adding ~300k new daily active users
- Saved over \$50k/year, increased development time by 200%, and increased time to deployment by over 50% by removing and refactoring our backend APIs
- Built a new signals pipeline that gave our ML teams a faster feedback loop leading to faster retraining and model constructing times
- Created an entirely new interviewing process to improve candidate signal that allowed us to grow our team from three to twelve engineers in less than eight months
- Drove our teams Privacy and Data protection(GDPR) initiative where I did a privacy and security review of all technical and product design documents
- Increased video watch time by 25% by proposing, scoping, and building a new product that gave publishers insights into when their audiences were on the platform

Tech Stack: Scala, Python, Typescript, React, Objective-C, Swift

TapJoy

2014 - 2015

Staff Engineer

- Switched core ad services from Ruby to Go/Scala to improve reliability and response time which resulted in serving ads 30% quicker
- Reduced *Time to First Byte* on web ads by 70% increasing ad views by over 200%
- Built out an A/B suite to quickly test new ad formats resulting in tens of thousands of new ad revenue.

Tech Stack: Ruby/Rails, Go, Scala, Python, Angular

TalkTo (*acquired by Path*)

2013 - 2014

Engineer

- Developed a series of tools that increased agent productivity by 30% which led to 50% more call completions.
- Built out an internal sound board using Twilio allowing agents to quickly interact with multiple businesses at the same time which increased call throughput by over 25%
- Developed and maintained our iOS and Android app

Tech Stack: Python/Django, Java, Objective-C, Backbone

CustomMade Ventures, Inc.

2010 - 2012

Architect/VP Engineering

- Constructed A/B tests to determine the optimal price point which increased revenue by 15% while retaining 98% of our existing customers
- Lowered the sites response time by 50% by refactoring and adding caching
- Switched our data processing jobs to AWS spot instances decreasing our monthly bill by ~20%.
- Grew the engineering team by 100%
- Generated over 800k pages automatically based on data provided by our makers increasing search traffic to the website by 750%

Tech Stack: Python/Django, Backbone

Chitika, Inc.

2008 - 2010

Principal Engineer/Director of Engineering

- Brought our hadoop cluster in-house which saved us ~\$50k/year and doubled our storage capacity
- Grew the team by 100% while retaining 75% of the existing team over my tenure
- Helped design, build, test, and productionize new ad serving systems that only displayed ads to users that were likely to click them, improving click through rate by 60%

Tech Stack: Perl, Python, PHP, MongoDB, Cassandra

Technical Skills

Languages: Scala, Python, Javascript/Typescript, Java, Ruby, Objective-C, Swift, Go

Frameworks/Platforms: Django, Rails, React, Angula, Backbone

Data: MySQL, Postgres, MongoDB, Cassandra, Redis, Hadoop, Elasticsearch

Cloud/Infrastructure: AWS, GCP, Docker, Kubernetes

Education & Accomplishments

Bachelors of Science in Computer Science - Plymouth State University

Built an app that was Apple's app of the week selling over 15k copies in two weeks

Built and sold two SaaS companies (InvoiceJournal.com, InnFirst.com)