

6026 Bannock St.
Littleton CO, 80120

DAVID WORTH

ph. 865.356.9578
worth.david.e@gmail.com
[LinkedIn: david-e-worth](#)

Seeking - Staff-level backend engineering role with a focus on observability and reliability where I can use my leadership and technical experience to help a team reach its potential.

QUALIFICATIONS SUMMARY

- Senior Engineer and Engineering Manager who excels at building and leading teams in technical excellence
- Expertise in engaging client and technical team to deliver measurable value to the organization
- Proficient in backend engineering and distributed systems
- 13 years of experience in software engineering and delivering impactful and high-quality work
- History of driving organization-wide change in technical and process areas

For publications and presentations, see [dave.coffee](#)

SKILLS

- | | | |
|---|--|--|
| • Golang services | • Observability: logging, metrics, exception handling, and distributed tracing | • Mentoring and coaching |
| • Ruby + Rails and Sinatra | • Streaming and event-sourcing: Kafka | • Performance management |
| • Python development | • Software Security, Reliability, Observability | • Agile methodologies |
| • Containers and orchestration (Docker), Kubernetes, Mesos+Marathon | | • Configuration Management: Chef, Puppet, immutable infrastructure |

EXPERIENCE

Sr. SRE and Eng Lead (Manager) - Infrastructure

Jun '18 – Present

[Strava](#) - Denver, Colorado

- Led the Infrastructure team from an Ops-centric mentality to software engineering and automation mentality.
- Drove the migration from Graphite to Prometheus monitoring and alerting infrastructure including high-cardinality metrics from a large Rails application, as well as a large number of Scala applications backing the Strava infrastructure. Worked with vendors to evaluate third-party long-term storage of time series, and migrate to their platform. Introduced a Python-based, git-backed, dashboarding system allowing for versioned programmatically defined dashboards.
- Mentored Infrastructure engineers in career development, technical development, and encouraged technical exploration. Team introduced AWS Lambda as part of the production workflow for observing AWS resources and their lifecycle, support incident escalations in PagerDuty from Slack. Introduced an automation platform for automating toil-replacing tooling - automation for datastores to help mitigate GDPR/CCPA, systematically upgrading Elasticsearch clusters, and managing employee access to third party providers.

Tech Lead and Engineering Manager

Oct '14 – Jun '18

[DigitalOcean](#) - New York City, New York (remote)

As a Tech Lead and IC:

- Implemented second-generation mission-critical systems to improve observability, fault tolerance and reliability, and using modern tooling, without disrupting quality of service while migrating to a

service-oriented architecture built in Golang with gRPC+protobufs, deployed to Kubernetes, and using Kafka for event-sourcing.

- Led team implementing Droplets, our branded virtual machine offering and core product.
- Implemented standard Kafka tooling for all of engineering in Golang.
- Led implementation of second generation tagging infrastructure supporting all resource types.
- As Lead on the Billing team - Implemented a scalable tax and exemption system for international customers.
- Partnered with Data Science team to integrate their tooling into the Engineering organization.
 - Productionized data-science APIs by building Python tooling to match the standard deployment and observability requirements of the organization.

As an Engineering Manager

- Worked with Director of Product Engineering to scale the product engineering team from 10 to 45 resources.
- Defined roles and responsibilities, pay grades, and hiring criteria to establish 3 new engineering teams.
- Calibrated reporting structures to support organizational growth.
- Mentored staff on team management, career development opportunities, and results-oriented leadership.
- Hired, managed headcount, and performance reviews for 10 developers on 2 development teams.
- Worked with CFO and controller in financial planning and risk assessment as leader of the billing team.

Senior Software Engineer

Sep '13 – Apr '14

Mandiant/[FireEye](#) - Albuquerque, New Mexico

- Developed a testing DSL in Ruby RSpec to automate QA team's end-to-end workflow to develop tests for defects they found, and return them to engineering teams.
- Improved team productivity by creating an automated system to create uniform, reproducible, local, full-stack development environments with stub APIs to external services.

Developer, Engineering Manager, and Security Engineer

Aug '11 – Sep '13

Highgroove Studios/[Big Nerd Ranch](#), Atlanta, Georgia (remote)

As the first Engineering Manager at Highgroove Studios:

- Facilitated the formal adoption of managerial roles within the growing engineering organization.
- Managed 3 development teams to improve processes, balance team needs with customer expectations, and establish an escalation path to leadership.

As a Security Engineer and Developer:

- Developed a security audit methodology, and then facilitated its company-wide adoption. Advised clients on security vulnerabilities and applicable remediation steps to support defense-in-depth. Evaluated production-ready applications for compliance with security requirements.
- Performed application audits prior to consulting engagements in order to assess their security and maturity.

EDUCATION

University of New Mexico, Albuquerque, NM

Master of Science, Pure Mathematics | 2006

Bachelor of Science, Pure Mathematics, Computer Science Minor | 2003