Collin Van Dyck

i like computers

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Experience

2023-2024
Sr Staff Software Engineer at **Rippling**

- Rust agent rearchitecture
    - Broke out monolith crate into workspace with sub-crates.
    - Created in-memory work scheduler to replace legacy disk-based system.
    - Created patterns for more modular code components and testability.
- Planned and executed on strategy to improve agent reliability, resuling in 25% increase in HA metrics.
- Introduced CLI tooling to remove roadblocks for common troubleshooting and release processes.
- Mentorship of EIC teammates

2022-2023
Principal Software Engineer at **ngrok**

- Created stream processing framework to separate business logic from transport details and ensure at-least-once guarantees.
- Built event infrastructure to power customer events and internal BI analysis.
- Overhauled credential and authorization system.
- Mentored early-in-career teammates.
- Led effort to integrate services with open telemetry and Honeycomb.

2018-2022
Principal Software Engineer at **Segment**

- Maintained ctlstore – Segment's distributed database / CDN for control data.
- Created and successfully adopted feature flagging system built on ctlstore.

- Maintained event ingest pipeline.
- Built out infrastructure to create and query profile graphs on DynamoDB.

2017-2018
Senior Software Engineer at **Mesosphere**

- Built DC/OS backup/restore coordination service.
- Took ownership of and maintained shared Go library.
- Created SDK-based frameworks for cluster visibility.

2013-2017
Senior Software Engineer at **Librato**

- Developed Cassandra time series database.
- Created and maintained real-time alert dection and notification system.
- Built system to import Cloudwatch metrics into Librato.
- Maintained system to import Heroku log-based metrics into Librato.
- Maintained open source Java/Dropwizard Librato integrations.

2012-2013
Senior Software Engineer at **Boundary**

- Optimized time series streaming system.
- Built out event collection/indexing pipeline using Solr/Postgres.
- Ported erlang services to Dropwizard.
- Built customer-facing daily usage rollup reports.

2011-2012
Software Engineer at **Yammer**

- Worked on distributed search pipeline (Lucene, homegrown index replication)
- Helped maintain distributed message store (BDB-JE)
- Built LDAP synchronization service
- Built streaming data export service

2007-2011
Owner at **Nimble Technique**

- Consulting focused on helping companies with their Ruby/Java/Scala infrastructure.

Education

B.S of Science in Computer Science Georgia Tech, 1998