

Collin Van Dyck

i like computers

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Experience

2024-2025

Staff Software Engineer at **Cortex.io**

- Helped model and manage generic entity relationships between entities
 - Migrated catalog mechanics to support entity relationships
 - Prototyped new integrations-related ingestion pipeline using Temporal
 - Built cli developer tooling to speed up and automate the development iteration process.
 - Successfully promoted the use of language models to help reduce time to remediation for customer issues.
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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, resulting in 25% increase in HA metrics.
 - Introduced CLI tooling to remove roadblocks for common troubleshooting and release processes.
 - Mentorship of EIC teammates
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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.
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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.
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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.
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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.
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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.
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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
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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