

# Collin Van Dyck

---

i like computers

[5xx.engineer](#) | [collin@5xx.engineer](mailto:collin@5xx.engineer) | 678-755-7366 | Durham, NC

---

## 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.
- 

**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
- 

**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