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Summary

6 years of experience as a full-time software engineer in the United States. Extensive experience in privacy engineering and generalist backend engineering. Proficient in developing on top of large-scale distributed systems.

Work Experience

Senior Software Engineer - Stripe, Inc.   2018-2022

- Designed and acted as tech lead for format-agnostic data schema annotations
  → delivered **robust and ongoing compliance** with privacy and data regulations
- Was responsible for the tools used to set and enact automated S3 deletion
  → **saved $10+ million USD** in blob storage costs
- Drove backfilling ownership metadata for 100+ teams' S3 datalake usage spanning 10+ years
  → **achieved 90% attribution** of data within 1 year
- Rewrote privacy metadata aggregation service to use company standard rails
  → **freed 15 hours/week** of bandwidth for other projects due to reduced maintenance burden
- Helped build and roll-out secure egress proxy infrastructure
  → **prevents data exfiltration** from internal services
- Was granted elevated reviewer permissions due to feedback quality (top 15%)
  → demonstrated ability to **raise code quality** of peers
- Interviewed 100+ engineering candidates and provided detailed feedback
- Mentored 3 new grads and 1 intern, helping each to become productive in under 1 month

Senior Software Engineer - Salesforce Inc   2016-2018

- Scaled some SalesforceIQ services for expected 30x increase in load
  → allowed **onboarding large customers** from Salesforce to SalesforceIQ products
- Responsible for a majority of the technical GDPR effort for legacy products at SalesforceIQ
  → ensured **regulatory compliance** with global privacy laws
- Provided critical infrastructure for SalesforceIQ products and services
  → enabled **continued revenue** from legacy app while migrating customers

Various Internships   Summers 2012-2015

- Performed bug fixes across the software stack for Ruby on Rails webapps   **Tyemill**
- Implemented a reverse proxy server with page caching, A/B testing, edge   **RetailMeNot, Inc.**
  side includes, and rate limiting
- Wrote C89 on embedded devices to mitigate hardware bugs   **Inspectron Tools**
- Built a proof-of-concept pattern recognition module   **Accurate Technologies, Inc.**

Solo Projects

Homebrew Garbage - https://homebrewgarbage.com   TypeScript / Svelte
Tabletop RPG ruleset with character creation and combat management tools

takeout-travel-history - https://github.com/Riizade/takeout-travel-history   Rust
Tiny open-source CLI for extracting travel history from Google Maps Timeline

macrobin   Rust
Input emulation framework with gamepad support, screen-reading, and YAML configuration

Education

University of Michigan, Ann Arbor, MI   Graduated August 2016
Bachelor of Science in Engineering in Computer Science