

Adam James-Liebau Johnson

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SUMMARY

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

SKILLS

Languages: ENGLISH (NATIVE),
JAPANESE (N1/B2), ITALIAN (B1), MANDARIN CHINESE (A2)

Programming Languages: (LISTED IN DECREASING ORDER OF EXPERIENCE)
Python, Rust, Scala, C#, Ruby, Java, Typescript, C/C++, Golang

Libraries/Frameworks: (LISTED IN DECREASING ORDER OF EXPERIENCE)
AWS S3, Flask, Sinatra, Airflow, Apache Cassandra, Redis, PostgreSQL, MongoDB,
Apache Spark, Apache Storm, Apache Kafka, Elasticsearch

WORK EXPERIENCE

Software Engineer - Level 2 at Stripe 2018 - 2022

- Designed and acted as tech lead for format-agnostic data schema annotations allowed robust and ongoing compliance with privacy and data regulations
- Was responsible for the tools used to set and enact automated S3 deletion saved \$millions USD in blob storage costs
- Drove backfilling metadata for S3 datalake via internal tools development
- Rewrote privacy metadata aggregation service to use company standard rails freed up a large amount of team bandwidth for other projects by reducing maintenance burden
- Helped build and roll-out secure egress proxy infrastructure part of hardening our systems against security threats
- Was granted elevated reviewer permissions for feedback quality (top ~15%) demonstrated ability to raise code quality of peers
- Regularly interviewed engineering candidates and provided detailed feedback
- Mentored several new grads and one intern, helping each to become productive quickly

Member of Technical Staff at Salesforce 2016 - 2017

Senior Member of Technical Staff at Salesforce 2017 - 2018

- Provided critical infrastructure for SalesforceIQ products and services allowed continuing revenue from legacy app while providing migration path to new services
- Scaled some SalesforceIQ services for expected 30x increase in load allowed onboarding Salesforce customers to SalesforceIQ products
- Was responsible for a large portion of the GDPR effort at SalesforceIQ ensured compliance with global privacy regulations

Various (4) Internships Summers 2012-2015

- Performed bug fixes all over the software stack for various Ruby on Rails apps
- Implemented a reverse proxy server in Golang with page caching, A/B testing, edge side includes, and rate limiting, reduced service scaling costs
- Wrote C89 software on embedded devices to mitigate hardware bugs
- Developed a proof-of-concept statistical pattern recognition module for ATI's Vision client

**Solo
Projects**

homebrewgarbage.com Custom tabletop RPG ruleset with character creation and combat management tools

macrobin Macro (input emulation) framework that includes gamepad support, screen-reading, and complex macros configured via YAML

flashcard-edit CLI tools for creating and editing flashcards for spaced repetition, robust Anki support, created decks for Mandarin Chinese, Italian, and Japanese

EDUCATION

Bachelor of Science in Engineering
University of Michigan, Ann Arbor, MI
Major: Computer Science

Graduated August 2016