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SUMMARY

I have spent my career as a polyglot developer building high-performance distributed systems to process large volumes of data. Now I spend my time building high-performing teams to do the same.

EXPERIENCE

Engineering Manager – Braze – Remote/Denver, CO August 2023 - Present

- I manage the Sidekiq and Monolith Foundations team responsible for empowering product teams to build on top of our platform.
- Interviewed and hired engineers to double the size of the team.
- Managed out low performing team members who predated my time to help improve team performance.
- Participate in code reviews, the on call rotation for my team, as well as technical design reviews.
- I've participated in interviewing committees as well as onboarding committees to help improve the processes.

Co-Founder and CTO – Elegy Software – Remote/Denver, CO 4/2022 - August 2023

- Built a company from the ground up to address the needs of funeral homes across the country.
- Raised one million dollars in seed funding.
- Wrote code daily using Elixir and the Phoenix framework running on AWS.
- Hired and managed a remote founding engineering team.
- Worked with investors, customers, and my co-founder to take the product from an idea to our first customers.

Staff Software Engineer/Sr Engineering Manager – Red Canary – Remote/Denver, CO 4/2019-4/2022

- Managed the two engineering teams of 13 people total responsible for the core Red Canary MDR product.
- I was the first engineering manager and helped hire the majority of the engineering team as we scaled during our Series C expansion.
- As an individual contributor I built the process state combiner that processes over 2,000,000 events per second and tracks more than eight billion processes states and is still processing well over a petabyte of data every day. This was built on Kubernetes using Ruby and Redis with SQS and S3 at roughly a 35% cost savings over the previous implementation with improved reliability.

Senior Software Engineer/Engineering Manager – Ibotta – Denver, CO 9/2016-4/2019

- Built an engineering team responsible for ingesting over 130 million products daily and nearly 100 terabytes of data. The data are accessible via Elasticsearch in our mobile app. We used Node, Spark, Scala, AWS Elastic MapReduce, and SQS to decouple the architecture and allow for massive scale.
- Our team was responsible for breaking down our Rails monolith into microservices for things like authentication, customer information, tracking services, settings service, feature flag service, and real-time retargeting. These services are handling 10s of millions of requests each month.
- Worked to define the recruiting efforts to scale the engineering team from 20 people to nearly 100. Participated in all aspects of interviewing, recruiting, and onboarding candidates and new hires.
- Helped shape the hiring and interview process to ensure high-quality candidates.
- As an individual contributor I built a system using Spark and Scala to load customer segments into DynamoDB. I was able to reduce the time from 20 hours to under 20 minutes.

EDUCATION

B.S.E., Computer Systems Engineering
Arizona State University - Tempe, AZ
Focused on low-level embedded systems

Master Computer Science
Colorado State University - Fort Collins, CO
Focused on high-performance parallel computing

PREVIOUSLY

Principal Software Engineer - Six Actual Software – Denver, CO (Remote)	3/2015 - 8/2016
Senior Software Engineer – Development Lead - Workiva – Centennial, CO	4/2012 - 3/2015
Software Developer III - Jacobs Engineering Group – Denver, CO	7/2011 – 4/2012
Senior C#/ASP.NET Developer - GoDaddy.com – Greenwood Village, CO	3/2010 – 7/2011
Associate Software Developer - CH2M HILL – Englewood, CO (Remote)	8/2006 – 3/2010
Software Engineer - The Practice Manager Group L.L.C. – Aurora, CO	10/2005 – 8/2006
Programmer/Analyst - U-Haul International – Phoenix, AZ	9/2001 – 10/2005