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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

Co-Founder and Chief Technology Officer   **4/2022 - Present**
Elegy Software - Denver, CO

- Built a company from the ground up to address the needs of funeral homes across the country
- Raised one million dollars in seed funding
- 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
- Unfortunately, we weren't able to secure additional funding to continue.

Senior Engineering Manager   **4/2019-4/2022**
Red Canary - Remote/Denver, CO

- 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 1,000,000 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.

Platform Engineering Manager   **9/2016-4/2019**
Ibotta – Denver, CO

- 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.
- Implemented an Agile product development process for our team that has spread to other teams delivering more value in less time.
- 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	**Master Computer Science**
Arizona State University - Tempe, AZ	**Colorado State University -** Fort Collins, CO
Focused on low-level embedded systems	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**