Curtis Goolsby

- cvioling@gmail.com
- github.com/cgoolsby
- curtis-goolsby.com
- linkedin.com/in/cgoolsby1/

Recent Work Experience:

Sr SRE - DRW - 2022-2025:

- Spearheaded DRW's transition from Rancher by architecting and implementing DRW's next-generation Kubernetes platform resulting in Kubernetes becoming the default compute platform across DRW.
- Supported both on-prem and AWS-based Kubernetes environments, driving automation efforts to eliminate manual toil and increase platform consistency and availability.
- Proposed and helped implement a golang cli release engineering tool/process; this effort increased release frequency by 1000x while reducing production outages from common to effectively zero.

Cloud Support Engineer/Specialist Technical Account Manager - Amazon Web Services - 2020-2022:

- Exceeded key performance metrics and was promptly promoted to the role of being the Kubernetes Specialist focused on the Apple account.
- Solved a deep linux kernel problem resulting in the signing of a 10+ million dollar account and two company wide awards for excellence.
- Created custom solutions for Apple increasing the efficacy and capabilities of EKS including a parallel s3 pulling solution for Apple Maps as well as helping with the Apple Online Store's transition into EKS by solving problems around IP address space limitations due to the scale of the project.

Publications:

- Addressing the Embeddability Problem in Transition Rate Estimation: Journal of Physical Chemistry
- Thermodynamic and Kinetic Characterization of Protein Conformational Dynamics within a Riemannian Framework: Journal of Physical Chemistry
- Overcoming the Embeddability Problem: A More Robust Calculation of Kinetic Information from Sparsely Sampled Molecular Dynamics Simulations: Biophysical Journal

Education/Certifications:

- Certified Kubernetes Administrator
- Vault Associate
- Google Cloud Certified Professional Cloud Architect
- Terraform Associate
- PhD ABD Physical Chemistry
- BA Chemistry with minor in Mathematics
- BS Chemistry
- BA Music Education with minor in Mathematics
- Udacity Deep Learning Nanodegree
- Suzuki Violin Teacher