Mike Rooney

Experience

Microsoft San Francisco, CA
Platform Lead for AKS (Azure Kubernetes Service) *Jan. 2022 – Current*
- Steer and empower a diverse team of over 50 engineers by leveraging agile & DevSecOps methodologies
- Enhance and optimize the reliability and performance of the AKS customer control and data planes
- Define and execute an innovative and competitive roadmap for AKS, ensuring it sustains its position as a best-in-class managed Kubernetes solution

Pluralsight RTP, NC
Cloud Platforms Lead *Jan. 2021 – Dec. 2021*
- Engineered and deployed a cost effective internal SaaS platform for the provisioning of on-demand virtual labs
- Pioneered and defined a strategic roadmap for the "Flow" product line, a next generation source control management and developer analytics solution
- Hired, directed and mentored a large talent pool of contract instructors to deliver superior educational content, following best practices in instructional design

Loopback LLC RTP, NC
Founder and CEO *June 2020 – Jan. 2021*
- Generated significant intellectual property for cloud computing training within a six-month timeframe leading to a lucrative exit via acquisition by PluralSight

Microsoft Seattle, WA
Software Engineer *Dec. 2017 – Sep. 2019*
- Ensured public SLA compliance for the Azure Storage Resource Provider service, a critical control plane component for all storage offerings
- Developed and maintained a globally distributed migration scheduler service (responsible for all internal data movement) using scalable microservices and formally verified replication algorithms
- Championed automation initiatives to streamline the decommissioning process for legacy storage arrays

NetApp RTP, NC
Software Engineer *Apr. 2015 – Jan. 2017*
- Led upstream API design and coding for Cinder (Block Storage) and Manila (Shared Filesystems), demonstrating expertise in open source leadership and system architecture
- Seamlessly integrated NetApp hardware platforms into OpenStack projects, leveraging comprehensive knowledge of storage protocols and technologies
- Deployed and maintained an efficient CI/CD pipeline integrating NFS, iSCSI, and Fibre Channel systems, bolstering code quality and delivery speed

SpaceX Hawthorne, CA
Security Engineer *May 2014 – Aug. 2014*
- Emulated commercial-grade network processing units using GPU-accelerated machine learning techniques to create a state of the art in-line intrusion prevention system

NVIDIA Corporation Santa Clara, CA
Security Engineer *May 2013 – Aug. 2013*
- Conducted digital architecture work to incorporate robust Elliptic Curve Cryptography functionality into a dedicated security coprocessor for the Tegra system-on-chip

NSA(TS/SCI) Fort Meade, MD
Cryptologic Access Developer *May 2012 – Aug. 2012*
- Developed custom analytics using MapReduce techniques for large scale data processing

Education and Skills

University of North Carolina at Chapel Hill Chapel Hill, NC
M.S. (2016) and B.S. (2013) in Computer Science

Languages: Python, Go, Javascript/HTML/CSS, SQL, C, Assembly (RISCV, ARM, MIPS), LaTeX

Platforms/frameworks: Azure, Google Cloud Platform, AWS, Kubernetes, React, TensorFlow, PyTorch, Unreal Engine