GREGORY M. KURTZER

gmk@hushmail.com

CEO, CTO, COMPUTING SCIENTIST, SYSTEMS / SOFTWARE ARCHITECT
FOUNDER OF: CENTOS LINUX, WAREWULF, PERCEUS, AND SINGULARITY

SUMMARY

- Corporate executive, company founder, advisor, fundraiser, chairman of the board
- Aggressive product development and corporate growth as well as resizing teams to match budget
- Over 18 years engineering experience including: architecture, design, inception, growth, implementation, organization, management, leadership
- Strong communication skills, creating teams, building communities, leadership, and technical visionary

EXPERIENCE

CONTROL COMMAND, INC. ***2020 - PRESENT***

CEO, CTO, Founder, President, Chairman of the Board

My vision with Control Command's is to modernize the HPC infrastructure and bring forth HPC-2.0 capabilities from niche into the mainstream enterprise and hyper-scale infrastructures. Singularity, as an open source project is a primary building block on this but only the first of many building blocks. Now we are bringing additional capabilities around workload and data orchestration between geographically dispersed resources, secure workload execution and mobility, as well as a single control plane for all capabilities.

SYLABS, INC. ***2018 - 2020***

CEO, CTO, Founder, President, Chairman of the Board

Sylabs was created to take to market new and unique container capabilities developed around the Singularity container platform. I personally founded the company, obtained seed funding, built teams, designed all products, led engineering, and took products to market as the company's initial sales person. I am personally responsible for the creation of a multi-million dollar business and now taking it through growth with an aggressive revenue ramp model. Sylabs has been valued by an independent investor at $25M and later acquired by it's investor RStor, Inc.

R-STOR, INC. ***2017 - 2020***

Corporate and Technical Advisor

RStor received a $45 million dollar initial funding round led by Cisco Systems for the purpose of breaking the vendor lock-in created by cloud service providers. RStor's technology is a super-fast global network fabric of which an agnostic middle storage layer is built. The fabric is connected to various worldwide endpoints and cloud providers to facilitate transfer of stored data. My role is to advise on the movement of both data and workloads to locations where the data can be accessed. I've been part of RStor's technical leadership and executive initiatives since early stealth.

LAWRENCE BERKELEY NATIONAL LABORATORY ***2000 - 2018***

HPC Systems Architect and Technical Lead, Computer Systems Engineer Level 4 — highest technical rank

Responsible for the design, implementation and future direction of several large high performance computing (HPC) resources. These resources are built to meet a variety of scientific needs and use cases. I worked with the various

scientists to ensure that the system design will not only meet their needs but also be maintainable for the current staffing levels.

UNIVERSITY OF CALIFORNIA, BERKELEY ***2008 - 2018***

HPC Systems Architect and Technical Lead

I was on joint appointment to UCOP and UC Berkeley where I designed and architected a shared HPC cluster resource, but I also am working with a much wider array of scientific disciplines outside of the standard typical HPC jobs.

UNIVERSITY OF CALIFORNIA, OFFICE OF THE PRESIDENT ***2008 - 2018***

HPC systems domain architect and technical lead, Computer Systems Engineer (CSE) level 4

Responsible for the design and oversight of the northern implementation of a campus-wide HPC resource with collaboration from the San Diego Supercomputing Center.

LINUXCARE ***1999 - 2000***

Senior lab developer and engineer

Developer of hardware platform and device driver debugging system for ensuring proper kernel/hardware interoperability for IHV partners.

BIOINFORMATICA ***1996 - 1998***

Wetlab developer and computer systems engineer

Transitioned from a biotechnology wet lab to computing as I refocused my attention to computational bioinformatics. Responsible for transitioning our computational load from the NCBI to local hardware resources.

OPEN SOURCE PROJECTS

CENTOS:

I founded the non-profit Caos Foundation to host open source projects, sponsor development activities and foster relationships between the community to the commercial sector. Initially we created the first community maintained RPM-based distribution of Linux (Caos Linux), but from there we identified the need to focus on a long life, enterprise capable distribution based on a rebuild of Red Hat Enterprise Linux. I led Centos from its inception, and managed its initial development, growth and maturity into one of the most well known names in Linux server distributions.

WAREWULF:

In early 2001, there were not many tools for salably managing a large Linux cluster which were freely available in the open source realm. Warewulf pioneered the idea of booting a standard Linux distribution stateless on compute nodes to achieve massive scalability with minimal overhead and thus quickly achieved great popularity. Today I still lead Warewulf and it has grown to be among the most widely utilized and recognized cluster management toolkits.

SINGULARITY:

Bridging the gap between containers, packaging, application portability and standard command line interfaces, Singularity blurs the line of containers and the host system. Designed to facilitate application portability through containers while abstracting and removing the container from the user interface, pipes and work flows. I came up with

this concept (and built the solution) to address the need within the high performance computing world to support custom environments, application portability and the pipe dream of "push button computing for HPC."

EDUCATION AND AWARDS

BACHELORS' OF SCIENCE (JUNE 1997)

Graduated with a degree in biochemistry, with additional emphasis on physics and music, from HNU.