

Kurt W. Kroeger

PRODUCTION ENGINEER @ META

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Education

Purdue University

West Lafayette, IN

B.S. IN COMPUTER SCIENCE MINOR IN ORGANIZATIONAL LEADERSHIP

December 2015

- Directed research optimizing applications for the Intel Xeon Phi co-processor architecture
- Led team that created an analysis platform for a financial firm based upon CouchDB and EC2

Experience

Meta

Seattle, WA

PRODUCTION ENGINEER - WEB FOUNDATION

March 2022 - Present

- Web Foundation aims to ensure a reliable experience for users of Facebook's family of products. The team comprises cross-functional engineers who make sure the infrastructure behind the web tier is healthy and well designed. In addition, we use our broad, long-term mandate to elevate and evolve overall reliability by working with teams across the company.

PRODUCTION ENGINEER - EVERSTORE

December 2019 - March 2022

- Everstore provides durable, DR compliant, and highly available online BLOB storage. Various BLOBs are stored and include photos, videos, and attachments. We aim to provide solutions to some of the hardest distributed storage problems in the industry at scale.

Dell Technologies - Isilon

Seattle, WA

SENIOR SOFTWARE ENGINEER - PERFORMANCE

October 2017 - October 2019

SOFTWARE ENGINEER - PERFORMANCE

February 2016 - October 2017

- Assisted in closing escalated, complex mission critical or politically hot customer escalations
- Automated performance testing drastically reducing performance engineering toil
- Designed performance analysis tools for kernel and user space tracing
- Root cause analysis of complex distributed system performance problems in OneFS across the entire stack
- Wrote technical documentation to disseminate performance analysis techniques

Purdue University - Rosen Center for Advanced Computing

West Lafayette, IN

HPC SYSTEMS ENGINEER

May 2012 - Dec. 2015

- Team responsible for the operation of Purdue's Research Computing environment which includes multiple TOP500 clusters
- Evaluated new HPC technologies (HP Moonshot & Xeon Phi) for performance and scaling capabilities
- Setup PoC Cloudstack & Openstack solutions then assessed their ability to solve our IaaS goals
- Worked with team to migrate configuration management from CFEngine to Puppet

Honors & Awards

Mar 2018 **Dell Champion**, Outstanding contributions to the business and dedication to customers

Dell/EMC Isilon

Jun 2017 **Excellence@EMC Gold**, Rookie of the Year, high impact within the first year of employment

Dell/EMC Isilon

Feb 2017 **Excellence@EMC Bronze**, Performance characterizations supporting a critical account

Dell/EMC Isilon

Aug 2016 **Excellence@EMC Silver**, Automating and streamlining performance reporting

Dell/EMC Isilon

June 2015 **Excellence@EMC Silver**, Delivering ahead of schedule and well above the standard mark

EMC Isilon