

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

New York, NY

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.

Facebook

Seattle, WA

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
- Jun 2017 **Excellence@EMC Gold**, Rookie of the Year, high impact within the first year of employment
- Feb 2017 **Excellence@EMC Bronze**, Performance characterizations supporting a critical account
- Aug 2016 **Excellence@EMC Silver**, Automating and streamlining performance reporting
- June 2015 **Excellence@EMC Silver**, Delivering ahead of schedule and well above the standard mark

Dell/EMC Isilon

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