Kurt W. **Kroeger**

Senior 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*

Senior 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 well-designed. In addition, we use our broad, long-term mandate to elevate and evolve overall reliability by working with teams across the company.

Senior 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*