Karthik Shivaram (He/Him) · 1st

Storage Engineer, SSD at Meta Platforms (Facebook)

- ∞ Meta
- NYU New York University

San Jose, California, United States · **Contact info**

500+ connections

70 mutual connections: Ken Smith, Rimmi Amjad, and 68 others

Message   (More)

Highlights

You both worked at Micron Technology

Karthik worked at Micron Technology before you started

(Say hello)

About

Hardware and Product Development Engineer with extensive experience in Developing Solid-State Storage Solutions, SSD's in specific! Love solving problems!

... see more

Featured

‹ ›

Our team is hiring, we are looking for Interns for next summer (2022) in the areas of...

Platform Security Engineer Intern
facebook.com • 1 min read

👍 29

Will be speaking at SNIA Storage D[...]
Conference this year! Join me to lea[...]

👍🌐 212 · 9 comments

Activity
2,263 followers

Awesome!

Karthik commented

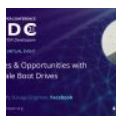**Our team is hiring, we are looking for Interns for next summer (2022) in the areas of Storage and Platform Security! Great...**

Karthik shared this

29 Reactions

Sharing for more visibility, great opportunity to work and solve problems at-scale!

Karthik shared this

14 Reactions

Will be speaking at SNIA Storage Developers Conference this year! Join me to learn more about Boot Drives in Hyper-Scale!...

Karthik shared this

212 Reactions • 9 Comments

See all activity

Storage Engineer, SSD

Meta · Full-time

Feb 2018 – Present · 3 yrs 10 mos

Menlo Park, California

• Build SSD (Flash Solid State Drive) I/O infrastructure in many aspects, including, but not limited to, performance, cost, capacity, endurance, power efficiency, durability and data integrity.
• Collaborate with various cross-functional teams to develop specifications for SSDs to be incorporated in storage and compute servers. Understand requirements from different storage and compute application teams.
• Work closely with SSD and storage controller vendors to propose, develop, test and deploy technology optimized for Facebook server designs. Understand the underlying technologies of Solid State Disks (SSD).
• Evaluate various storage technology solutions, from hardware components and architecture to data transport protocols and topologies.
• Design and assist development of automatic infrastructure to allow all diagnosis of hardware faults and tools for inducing faults.
• Drive and lead the team to build up various suites and tools for productizing new hardware in Facebook Data Centers.
• Driving and standardizing SSD requirements in OCP.

see less

Staff Firmware Engineer

Samsung Electronics

Sep 2015 – Feb 2018 · 2 yrs 6 mos

San Jose, CA

• Part of a team that developed the World's Fastest Enterprise SSDs based on Samsung V-NAND (3D-NAND)
• Managed a Test Development Team of 4 Engineers that worked on creating tests to verify some cool new features present in the latest Enterprise Class NVMe Drives made by Samsung
• Developed a good understanding of the NVMe specifications and lead validation of new features such as SR-IOV, Dual Port and Multiple Namespaces to name a few...
• Developed a sound understanding of the AGILE development flow and used Atlassian tools for multi-site (cross- functional) collaboration
• Used CTD (Combinatorial Testing) techniques in most