

KARTHIK RAJAN

Engineering Manager • Storage & Infrastructure

PROFESSIONAL SUMMARY

Engineering Leader with 14+ years across Meta and AWS, building and scaling storage and cloud infrastructure that powers AI and multi-million-dollar managed services. Combines deep technical ownership of distributed storage and database systems with leadership of 25+ engineers across global teams, delivering critical-path infrastructure with measurable revenue, latency, and reliability impact.

EMPLOYMENT HISTORY

ENGINEERING MANAGER, STORAGE INFRASTRUCTURE

2025 - Present

Meta Bellevue / Remote

- Own Meta's de-facto data transfer platform — moving exabytes of data weekly across Meta's storage systems and external neocloud capacity, scaling with the company's hyper-growth footprint, on the critical path for AI training and public cloud expansion.
- Inherited a team missing SLOs month-over-month for top customers; rebuilt the engineering bench, technical direction, and operational rigor from the ground up to restore platform reliability.
- Shipped 2 new systems from scratch that replaced the legacy bottlenecks choking massive transfers — taking throughput from <100 GB/hr to >1 PB/hr (>10,000x) for the most critical workloads.
- Built and rolled out an AI-native development ramp across a 400+ engineer org (self-paced coursework, lightning talks, live demos); framework subsequently adopted by other Meta orgs.

SDM, STORAGE AND PLATFORM

Jul 2022 - 2025

Amazon Neptune (AWS) Seattle

- Engineering lead for Amazon Neptune, a \$100MM+ ARR managed graph database platform running on 30K+ servers globally; owned Storage, Control Plane, AWS integrations, and global region expansion across 4 distributed teams (25+ engineers, 60% of the service org).
- Headlined Neptune's GenAI strategy with back-to-back re:Invent launches — Neptune Analytics (2023) and GraphRAG via Amazon Bedrock (2024); delivered the seamless ETL/export integration tying the Database and Analytics products together.
- Redesigned the on-call model across an org of 80+ SDEs and 10+ managers (tiered rotations, follow-the-sun), reducing on-call burnout and improving team sustainability.
- Drove FedRAMP and PCI-DSS compliance for Neptune — unlocking regulated customer segments — alongside fleet-wide patching, release process, and AWS-wide security commitments.

SDM, STORAGE LAYER

Jan 2020 - Jul 2022

Amazon Neptune (AWS) Vancouver

- Built the team from 1 to 15 SDEs across Seattle, Vancouver, and Bay Area; expanded Neptune to 22 AWS Regions including US GovCloud and AWS Private Cloud, opening government and regulated customer segments.
- Designed and delivered tiered NVMe caching for the storage layer — 30% query latency reduction and ~\$4MM in incremental annual revenue.
- Shipped Survivable Read Replication, sustaining Neptune's 99.95% read SLA through writer outages; launched Global Databases across 7 regions for cross-region disaster recovery.
- Doubled Neptune's storage ceiling to 128 TiB and cut full-graph export from days to under 3 hours via streaming export to S3.

SR. SOFTWARE ENGINEER

Oct 2011 - Dec 2019

Amazon Neptune (AWS) Seattle

- Architected Amazon Neptune's Control Plane from day one — now managing 30K+ database servers globally; designed core enterprise primitives (cluster provisioning, replication, AuthN/Z, encryption) still foundational to the service.
 - Led the TLS redesign in Neptune (adopted across 4 other AWS services as an internal reference) and owned the observability/ops stack underpinning Neptune's >99.95% uptime SLA.
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EDUCATION

B.Tech, COMPUTER SCIENCE & ENGINEERING

Jun 2007 - May 2011

National Institute of Technology, Calicut

India

CGPA 8.47/10 • Summer Internship at Yahoo! • Winner, 2011 Mobme Codejam.