

Senior Hardware Engineer

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Company: Microsoft

Location: India

Category: architecture-and-engineering

Overview

Microsoft Silicon Engineering Solutions and Cloud Hardware Infrastructure Engineering (SCHIE) is the team behind Microsoft's expanding Cloud Infrastructure and responsible for powering Microsoft's "Intelligent Cloud" mission. SCHIE delivers the core infrastructure and foundational technologies for Microsoft's over 200 online businesses including Bing, MSN, Office 365, Xbox Live, Skype, OneDrive and the Microsoft Azure platform globally with our server and data center infrastructure, security and compliance, operations, globalization, and manageability solutions. Our focus is on smart growth, high efficiency, and delivering a trusted experience to customers and partners worldwide and we are looking for passionate, high energy engineers to help achieve that mission.

Azure Memory and Storage Center of Excellence (AMS COE) is part of the SCHIE organization focusing on Memory and Storage devices going into the cloud hardware servers. AMS provides memory and storage solutions to Azure, drives memory and storage suppliers to deliver high quality products meeting our requirements. We are looking for seasoned engineers with a strong passion for customer-focused solutions, insight and industry knowledge to architect and specify memory and storage hardware solutions that optimize for quality, reliability, cost, and performance.

As an AMS COE Hardware Engineer, you will apply system and Memory/Storage expertise to provide best-in-class support for Azure cloud servers. You will combine skills in data analysis, hardware debugging, and subject-matter expertise to ensure hardware in Azure is in service and fully operational. To achieve this, you will collaborate closely with other hardware and

software engineers at Microsoft worldwide. In these collaborations you will prepare and present data analyses, provide recommendations, develop solutions to address problems, and define solution requirements.

#azurehwjobs #CHIE #DRAM #memory #SSD #HDD #HBA #SAS #SATA #storage

Qualifications

Required Qualifications:

5+ years of industry experience working with memory/storage devices

BS (Bachelor's degree) in Electrical and/or Computer Engineering

Preferred Qualifications:

7+ years of memory/storage industry or enterprise/cloud server experience

MS (Master's degree) in Electrical and/or Computer Engineering

Meaningful experience working with server platforms

General understanding of memory/storage faults and fault modes

Windows/Linux driver/kernel development experience (C/C++)

SQL or SQL-like query development experience

Ability to work independently and collaborate with a global team

Ability to distill complex information in simple, easy-to-understand ways

Historical demonstration of a growth mindset

#SCHIEINDIA

Responsibilities

Maintain devices (memory DIMMs, HDD/SSD, SAS/SATA Host Bus Adapter & expanders) in the fleet for high node availability.

Mine, manipulate, and analyze available data for the purpose of debugging, trending, etc.

Identify and quantify the value of memory/storage-related debug/servicing initiatives

Work with appropriate teams to align strategy and outline work needed

Design and carry out experiments to validate initiative effectiveness

Identify and drive adoption of processes/tools to ensure positive initiative impact

Stay up-to-date on memory/storage-related hardware and capabilities

Track data trends and implement dashboards to distill data to easy-to-consume messages

Benefits/perks listed below may vary depending on the nature of your employment with

Microsoft and the country where you work. Industry leading healthcare Educational

resources Discounts on products and services Savings and investments Maternity and

paternity leave Generous time away Giving programs Opportunities to network and connect

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