

Hewlett Packard Enterprise (HPE)

R&D Electrical Engineer (IoT/AI Edge Compute Systems)

An opportunity exists for an Electrical Hardware Engineer to be part of HPE's Hybrid IT Singapore R&D product development team.

Roles and Responsibilities:

- Responsible for designing, developing, modifying and evaluating electronic parts, components or integrated circuitry for server design
- Analyze detailed design to establish operating data, conduct experimental tests and evaluate results
- Select components based on analysis of specifications and reliability
- Develop expertise and practical knowledge of applications within server environment
- Support customer demos on hardware solutions.
- Act as a technical lead by providing information, analysis and recommendations in support of team efforts
- Collaborate with Original Design and Manufacturer (ODM) on development and test activities

Education and Experience

- Bachelor's or Master's degree in Electrical/Computer Engineering or equivalent
- Minimum 1 to 4 years' experience in systems design (integrated electrical circuit, designing complex circuit like servers, cellphone, etc.)
- Good knowledge and keen interest in high speed digital electronics design and validation
- Design experience with printed circuit board technology and EE CAD tools used for board design
- Experience with computer architecture, including Memory and IO Chipset architectures
- Broad knowledge with schematic capture tools (experience with Cadence Concept is preferred, but other schematic capture tools are considered)
- Experience with printed circuit board layout tools (Cadence Allegro experience preferred, but other layout tools are considered)
- Hands-on experience with electrical simulation tools, such as SPICE, or similar tools
- Experience with the operation of high speed oscilloscopes, logic analyzers and other test and measurement tools
- Project experience with technologies used in today's memory and I/O architectures including DDRX, FBD, PCI, PCIX, PCI-Express, and PXI.
- Good oral and written communication skills, plus ability to read, comprehend and explain engineering drawings and technical documents
- Exercise independent judgment within defined practices and procedures to determine appropriate action