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MTS Product Development Eng.

Locations: Austin, Texas
Categories: Engineering
Req ID: 24301
Hiring Target Min: USD $105,680.00/Yr.
Hiring Target Max: USD $158,520.00/Yr.

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Job Description

WHAT YOU DO AT AMD CHANGES EVERYTHING

We care deeply about transforming lives with AMD technology to enrich our industry, our communities, and the world. Our mission is to build great products that accelerate next-generation computing experiences – the building blocks for the data center, artificial intelligence, PCs, gaming and embedded. Underpinning our mission is the AMD culture. We push the limits of innovation to solve the world's most important challenges. We strive for execution excellence while being direct, humble, collaborative, and inclusive of diverse perspectives. This is who we are at our best. One Company. One Team.

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MTS PRODUCT DEVELOPMENT ENGINEER

The Role:

Plan, debug, and manage manufacturing and characterization test programs for next-generation Enterprise AMD products using System Level Test (SLT) platforms. Debug test infrastructure issues including test HW, test SW, diagnostics, and device-specific IP. SLT Engineering ensures overall compatibility, compliance, and test coverage of microprocessors from initial bring-up through product qualification and high-volume manufacturing by developing product specific test hardware, software, and diagnostics.

The Person:

- Integrating and releasing continuous improvements to test program content, quality, and efficiency
- Supporting all aspects of new product bring-up, including understanding and characterizing product and test point margin as appropriate
- Debugging issues, weak points, or potential improvement areas related to any portion of the SLT test, from firmware to BIOS to line-item-specific test program coding details
- Developing, driving, and/or supporting SLT yield improvement plans based on Pareto reviews, helping to drive real fails upstream and eliminating false fails, assessing and escalating major issues as needed
- Supporting AMD-specific SLT standardization and test quality requirements
- Leading and supporting multi-disciplinary teams involving Design, Diagnostics, Manufacturing, and/or other Engineering teams to resolve issues related to the product, including reliability, debug, and System Level Test activities.
- Continuously improving internal HW and software tools used to generate team results.

Key Responsibilities:

- Prior coursework or direct experience related to Computer Science, Software Engineering, Digital Logic, Circuit Theory, and/or Computer Architecture.
- Programming capability: C++, Java, C, C# preferred
- Scripting capability: Python, Perl, shell script, or similar preferred
- Knowledge of Lean, XP, AGILE, Scrum, or Kanban processes & values
- Clear understanding of statistical analysis and Pareto-based analysis
- Familiarity with building a computer with required components (MB/cards/etc.)
- Proficiency in Linux/Unix and/or Windows OS
- Willingness to work hands-on as a team member in a lab environment
- Strong communication skills and ability to work with geographically-dispersed teams overseas.

Preferred Experience:

- Experience in silicon debug using customized diagnostics and OS's on a cell/bench/System Level Test platform
- OS Experience: Experience with Linux or Unix OS
- Experience with revision control (GIT, SVN, CVS, or similar)
- Low-level software development experience (Assembly, BIOS)
- Experience with PC HW debug including networking, storage, and thermal control
- Strong communication, collaboration and team work skills.
- System level diags/test definition/generation/selection/execution & data analysis.

Academic Credentials:

Education: Candidates will have a B.S. or higher in Engineering/Physics (EE/EECS/Computer Engineering preferred) and direct experience working on platform and/or system-level test of products like CPUs, GPUs or high-performance compute solutions.

Location:

Austin, TX

#LI-TW2

At AMD, your base pay is one part of your total rewards package. Your base pay will depend on where your skills, qualifications, experience, and location fit into the hiring range for the position. You may be eligible for incentives based upon your role such as either an annual bonus or sales incentive. Many AMD employees have the opportunity to own shares of AMD stock, as well as a discount when purchasing AMD stock if voluntarily participating in AMD's Employee Stock Purchase Plan. You'll also be eligible for competitive benefits described in more detail here (https://amd.jibeapply.com/benefits).

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