



WE ARE HIRING!

ULKASEMI started its journey in 2007 simultaneously in Silicon Valley and Dhaka. Gradually, it expanded its operation in Canada and India as well. Since its inception ULKASEMI Pvt. Limited has been playing the pioneer role in the semiconductor design service industry of Bangladesh.

Position Name : CAD Engineer
Department Name : Analog Design
Job Type : Full Time
Job Location : Dhaka, Bangladesh

Job Overview:

The CAD Engineer will be responsible for developing, maintaining, and optimizing automation frameworks and workflows that support analog design and verification teams. The role requires proficiency in scripting languages and EDA tools, enabling efficient design flow automation, data management, and reporting. The CAD Engineer will collaborate with cross-functional teams to enhance productivity, ensure smooth tool integration, and maintain automation infrastructure

Job Responsibilities:

1. Create and manage software tools and automation scripts for workflows involving analog design and verification
2. Develop and enhance EDA tool automation flows (Cadence, Synopsys, Mentor Graphics)
3. Create frameworks for automation, data parsing, and reporting using Python, Perl, and TCL
4. Collaborate with layout and analog circuit teams to convert manual tasks into reliable automation systems
5. Maintain and improve automation infrastructure for runtime efficiency, scalability, and maintainability
6. Utilize automated job scheduling and log analysis tools to support build, regression, and verification processes
7. Work on Linux-based platforms for tool execution, integration, and scripting
8. Manage configuration files and automation scripts using Git/SVN
9. Train design and verification teams, and document automation flows
10. Troubleshoot automation flow issues, data discrepancies, and performance bottlenecks
11. Evaluate and adopt new scripting methods, tools, and technologies to

Educational Qualifications:

1. Bachelor's degree in Computer Science & Engineering (CSE), Electrical & Electronic Engineering (EEE), or a related field from a reputed university.

Other Requirements:

1. Proficiency in C/C++, Python, Perl, TCL, or other scripting languages
2. Basic understanding of digital logic design and electronic circuits
3. Familiarity with Linux/Unix environments and shell scripting
4. Experience in automation tools/frameworks (e.g., CI/CD pipelines)
5. Strong problem-solving and debugging skills
6. Basic knowledge of database management and data visualization tools (a plus)
7. Knowledge of computer vision or machine learning frameworks (a plus)
8. Excellent communication and teamwork skills

Experience Requirements:

Minimum required experience: 2–3 years.

Offered Compensation & Benefits:

1. Weekly 2 days weekend after the probation period. Initially 1 day weekend during the probation.
2. Pro rata basis different types of leave starting from date of joining.
3. Fully company paid lunch facility.
4. Partially subsidized pick-drop support facility.
5. After confirmation of employment, Group Life & Health Insurance coverage for employee, spouse & children.
6. Yearly 2 festival bonuses (based on employment tenure).
7. Provident Fund facility (based on employment tenure).
8. Yearly performance review (based on employment tenure).

How to Apply:

Application Deadline : 07 December 2025
Application Link : <https://forms.gle/4ujTa8AMBLvBc2Cr9>

