Cadence is a pivotal leader in electronic design, building upon more than 30 years of computational software expertise. The company applies its underlying Intelligent System Design strategy to deliver software, hardware and IP that turn design concepts into reality.

Cadence customers are the world’s most innovative companies, delivering extraordinary electronic products from chips to boards to systems for the most dynamic market applications including consumer, hyperscale computing, 5G communications, automotive, aerospace industrial and health.

At Cadence, we hire and develop leaders and innovators who want to make an impact on the world of technology.

Job Title: Runset Developer / Software Developer

Location: Cork

Reports to: Solution Director

Job Overview:
We are looking for Pegasus Runset developers (or those with programming experience interested in learning to program rules for Runsets), who will be working with our expert team members to deliver foundry technology collateral in the most advanced process nodes. Attention to quality is needed as the deliverables are used to signoff microchips, and a bug could lead to Silicon failure. Ability to learn new process technology basics, aptitude to code creative solutions, debugging skills and intuition for shape programming are key to success in this role.

Job Responsibilities:
• Deliver Pegasus runsets for DRC, LVS, PERC or Fill technologies
• Lead QA to validate quality of developed runsets
• Work with Cadence’s foundry partners
• Work with Pegasus RnD to improve the accuracy and performance
• Hand-Hold initial chip tape-outs for a new node/runset
• Root-cause/solve issues in delivered runsets

Job Qualifications:
• MS/BS in Electronics Engineering
• Aptitude to code solutions to address complex problems using Python/PERL/C
• Strong problem-solving aptitude: Exhibit thoroughness, and methodical approach
• Ability to work with stakeholders across cross-functional teams – Internal and External

Additional Skills/Preferences:
• Experience in VLSI
• Exposure to Linux and Shell scripting
• Exposure to Tcl

Additional Information:
Cadence is committed to equal employment opportunity and employment equity throughout all levels of the organization. We strive to attract a qualified and diverse candidate pool and encourage diversity and inclusion in the workplace.