

Overview Research Software Engineers profile

IIASA categorizes software engineer positions into the following three profiles: Junior Research Software Engineer (S1), Research Software Engineer (S2) and Senior Research Software Engineer (S3).

Junior Research Software Engineer (S1)

Collaborates with research teams to implement software solutions, emphasizes clean and well-documented code, and provides support for software issues. Requires basic software development knowledge, a commitment to continuous skills development and innovation.

Research Software Engineer (S2)

Designs and implements complex software solutions, mentors junior engineers, and participates in strategic planning. Requires extensive software development experience, strong architectural skills, commitment to continuous skill improvement and focus on innovation.

Senior Research Software Engineer (S3)

Leads advanced software projects, provides strategic technical leadership, and represents IIASA in the scientific community. The role involves extensive collaboration, mentorship, participation in fundraising activities and serve as a role model of IIASA Core Values, while fostering innovation and ongoing professional development.

Detailed descriptors for each RSE including key criteria and examples of evidence, are provided in the internal document Framework.