



Job Description: Senior Bioinformatics Engineer or Lead Bioinformatics Engineer (3-8+ Yrs of Exp.)

Senior Bioinformatics Engineer is responsible to have knowledge on NGS pipelines, developing and writing automated scripts for bioinformatics algorithms and data visualization. Must be curious and fascinate to learn more | skills upgrading and should have good communication skills. As senior resource, should have good SME knowledge for bioinformatics domain (ngs/multiomics) and technical skills required to work in bioinformatics pipelines | algorithm and data science based industry requirements.

Experience:

- 3-8+ years of experience in Bioinformatics pipelines | result interpretation | working knowledge in cloud/hpc based environments.
- Minimum of 1+ years of customer-facing experience for bioinformatics solutions.

Mandatory Skills:

- Working knowledge in NGS pipelines - DNA, RNA, Metagenomics, Microarray, Gene expression and scRNA, etc. | Pipeline engineering – develop | optimization and scaling.
- Experience of using workflow managers like Airflow/Snakemake/Nextflow (Nextflow preferred), pipeline testing and documentation.
- Experience in DevOps for required for bioinformatics pipelines and hands-on exp of docker and container.
- Able to understand and interpret results, analyzed plots and interpret using data science | bio statistical skills (optional and added advantage)
- Good technical experience in Python – Numpy, Pandas and visualization.
- Good technical experience in R – Rshiny and Tidyverse | R visualization.
- Good technical experience in Shell scripting – grep | awk | sed, bash scripting
- Team player with a willingness to work in 24x7 environment
- Strong verbal and written communications skills are a must

Optional Skills:

- Hands on working experience in structural biology (protein structure prediction, dynamics, drug designing and pathways analysis) and bioinformatics
- Ansible, Jira, Confluence, Service Now, Excel, Presentation Skills
- Working knowledge on AWS | HPC based environments and bulk data analysis.

Responsibilities:

- To work on bioinformatics pipelines | developing and optimization | pipeline scaling and running it on workflow managers
- Provide support and knowledge to bioinformatics algorithms, understand user used cases and provide best technical and scientific solutions for it.
- Develop and support web application-based solutions for bioinformatics algorithms, for better easy to use, multiple user-based solutions and support for available solutions.
- Able to understand user requirements on MultiOmics or Structural biology based scientific case studies.
- Participate in knowledge and skill building requirements for projects, good presentation, and documentation skills.
- Must be able to share | showcase and present skills for multiple client/internal requirements.

Education:

M.Sc/Mtech or PhD in Bioinformatics or Computational Biology or Biotechnology or other equivalent engineering disciplines from a reputable institution.