Title: Programmer (Cloud Architect/Data Engineer), Translational Research
Reports to: Sr. Scientist, Translational Research
Department: Translational Research
Location: Norwalk, CT (or Remote)

MMRF OVERVIEW:

The Multiple Myeloma Research Foundation (MMRF) is the largest nonprofit in the world solely focused on accelerating a cure for each and every multiple myeloma patient. We drive the development and delivery of next-generation therapies, leverage data to identify optimal and more personalized treatment approaches, and empower myeloma patients and the broader community with information and resources to extend their lives. Central to our mission is our commitment to advancing health equity so that all myeloma patients can benefit from the scientific and clinical advances we pursue. Since our inception, the MMRF has committed over $600+ million for research, opened nearly 100 clinical trials, and helped bring 15+ FDA-approved therapies to market, which have tripled the life expectancy of myeloma patients. To learn more, visit www.themmrf.org.

MMRF Core Values:

At the MMRF our core values define both who we are and how we work together as an organization. We believe in investing in our team and building a culture that will help us pursue our highest level mission to accelerate a cure for each and every multiple myeloma patient. Our five core values are expressed below:
1. **Prioritize Patients** - Patients are at the center of everything we do. Every decision we make is grounded in the needs and best interests of the patients we serve.
2. **Drive Innovation** - We are committed to pursuing big, bold ideas. Taking risks, trying new approaches, and challenging the status quo are necessary to speed new discoveries.
3. **Deliver Solutions** - Taking on complicated challenges is what sets us apart. To deliver results, we must be decisive, take action, and act with urgency on behalf of the myeloma community.
4. **Do It Together** - We know that together, we are stronger. We work cross-functionally with the entire community to achieve our mission and are invested in the success of others.
5. **Build Trust** - We build trust-based relationships. We advocate for each and every myeloma patient by committing to diversity, equity, and inclusion and treating others with respect.

Position Overview:

The successful applicant will lead the design, development, and implementation of cloud-based solutions in addition to solutions for data management and analytics for MMRF's internal and external research network. They will work in highly-technical, multi-disciplinary teams and offer deep technical understanding of cloud computing technologies, DevOps practices, networking, IT and Big Data solutions and business operations. They will work closely with a variety of stakeholders to navigate both the back-end technical side and the business side of cloud infrastructure, research, and operations to meet the needs of MMRF's clinical and genomic research initiatives.

Essential Functions:
- Design, develop, and manage cloud infrastructure and data workflows to support MMRF's Multiple Myeloma research and partnerships.
- Work with internal staff and external stakeholders to gather requirements and define cloud-based solutions.
- Optimize costs of cloud solutions by maximizing resource efficiency and providing financial reporting.

- Automate computational workflows and develop reproducible infrastructure as code.
- Evaluate, implement, and automate bioinformatics tools and workflows to enhance analytical processing of data.
- Deploy analytical tools using Docker, APIs, or CLIs.
- Ensure best practices in software development, version control, and cloud security using AWS best practices.
- Diagnose and troubleshoot code and infrastructure issues across the tech stack.
- Develop custom software solutions in partnership with DevOps and Bioinformatics teams.
- Create and deploy relational database schemas and data model transformations.
- Design ETL pipelines for data harmonization and integration.
- Develop secure data access frameworks and manage data warehouses for clinical trials and research collaborations.
- Collaborate with internal staff and external partners on strategic planning and infrastructure integration, as well as business development involving SOW negotiation and vendor management.
- Provide technical leadership and consultancy to researchers and engineers, and define project scopes with stakeholders.
- Stay updated on trends in cancer research, cloud computing, and machine learning while troubleshooting issues across the tech stack.

Qualifications:
- Education: Bachelor's Degree in Computer Science, Bioinformatics, Computational Biology, or a related field. Master's Degree preferred.
- Experience: A minimum of 3-years in data management, cloud engineering, and DevOps required.
- Cloud Expertise: Strong knowledge of cloud platforms (AWS, Azure, GCP) and experience with cloud policies, access controls, and security configurations.
- Database Skills: Proficient in relational database design, complex queries, data warehousing, migration processes, and ETL frameworks.
- Development Skills: Solid background in development and IT operations with strong programming skills in languages such as Python, R, or Bash, and familiarity with infrastructure-as-code tools (CloudFormation, Terraform).
- Communication Skills: Excellent communication and interpersonal skills, capable of working independently and collaboratively.

Preferred Qualifications:
- Certifications: Certifications in cloud computing (e.g., AWS Certified Solutions Architect, AWS Certified Data Engineer).
- Domain Experience: Experience in bioinformatics, computational biology, multi-modal data analysis, and software release management (Git, CI/CD).
- Technical Proficiency: Proficiency with containerization technologies (Docker, Kubernetes) and Infrastructure as Code (IaC) tools.

EEO Statement

The MMRF does not sponsor/facilitate any type of work
authorization for this role. All applicants must currently have original valid unrestricted authorization to accept new employment in any role
in the U.S. with any employer. There is also no future employer-provided sponsorship for this role to obtain or extend authorization to work
in the U.S.