



R/Shiny Developer

Location: Frederick, Maryland

Term: Full time, Permanent

Industry: Consulting – Drugs/Biologics/Devices

Reports to: Sr. Statistician

BioStat Solutions, Inc. (BSSI) is a statistical consulting corporation in service to the pharmaceutical, biotechnology and biodefense industries. BSSI's key service areas include the development and implementation of analytical strategies for biomarker studies, biodefense countermeasure development, and medical device / (companion) diagnostic studies.

Job Objective:

We are seeking an intelligent, hard-working, and dynamic individual to serve as an R/Shiny Developer to develop/maintain Shiny apps, and bring in innovative and efficient tools to meet various needs of projects.

Responsibilities include, but are not limited to:

- Incorporate state-of-the-art techniques in R programming, R packages, Shiny, and R visualization implementation.
- Implement algorithms in R with pseudo-code provided, and develop reusable and efficient R functions with documentation.
- Respond to feature requests from clients or colleagues on existing R programs or Shiny apps.
- Develop sophisticated R programs independently with guidance or plans from statisticians.
- Design, generate, and validate data reports, tables, listings, and graphs.
- Utilize R, Python and other languages/software to provide ad hoc reporting, tables, listings, and graphs.
- Understand and follow SOP's, and implement programming Best Practices and procedures.
- Contribute to multiple projects simultaneously both individually and as a team player. Prioritize and communicate proactively.
- Learn proactively new developments in R, RStudio, and Shiny communities, and incorporate the latest technologies into projects and workflow.
- Develop technical tutorials and share knowledge with colleagues and clients.
- Highly motivated to learn scientific topics and latest news on therapeutic area specific strategies, biomarkers, omics, or best practices of bioinformatics in drug development.

Qualifications:

- Master Degree in Data Science, Computational biology, Biostatistics, Computer Science, or related field
- Excellent communication and effective problem-solving skills, track record in serving a variety of diverse clients and projects
- Good scientific storyteller, with strong sense on graphic design, and able to transform analytical insight into visualization logics
- Deep knowledge and experience on Shiny app development and modern R web-based visualization packages/technology
- Experience in data visualization techniques and dashboard (using tools such as htmlwidgets, Shiny, D3, and Spotfire)
- Experience with R Markdown and programmatic report generation
- Experience with Tidyverse package ecosystem and workflow
- Advanced R user, and able to develop reusable functions (or packages)
- Knowledge in HTML, JavaScript, CSS, DOM, and relational database development
- Experience with version control software (e.g. Git)
- It is a **plus** to have the following skill/experience:
 - Experience with automatic workflow (e.g. snake make file, CWL)
 - Familiar with Bioconductor packages
 - Experience with common Bioinformatics / NGS / RNA-seq tools and workflows
 - Experience with CDISC-compliant datasets
 - Experience with using containers and container technologies such as Docker
 - Experience with AWS, GCP, or other cloud computing environments
 - Experience and knowledge of grid computing systems
 - Experience with Web Frameworks other than Shiny, e.g., Django, Flask, Dash
 - Experience with common JS libraries, e.g. JQuery, React, Vue

BioStat Solutions, Inc. is a voluntary equal opportunity employer. In compliance with federal law, all persons hired will be required to verify identity and eligibility to work in the United States and to complete the required employment eligibility verification form upon hire

Please apply to hr@biostatsolutions.com

www.biostatsolutions.com