

Data Science Engineer

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General Re Corporation, a subsidiary of [Berkshire Hathaway Inc.](#), is a holding company for global reinsurance and related operations, with more than 2,000 employees worldwide. Its direct reinsurance companies conduct business as Gen Re.

Gen Re delivers reinsurance solutions to the Life/Health and Property/Casualty insurance industries. Represented in all major reinsurance markets through a network of more than [40 offices](#), we have earned superior financial strength ratings from each of the major rating agencies.

Gen Re currently offers an excellent opportunity for a **Data Science Engineer** reporting into our Stamford, CT office or performed remotely for appropriately qualified individual within the Global IT Services.

Role Description

The Data Science Engineer is a member of the Enterprise Data and Analytics (EDA) team within the Global IT Services. In this capacity, the candidate will work with teams of passionate and skilled data engineers, architects, and analysts responsible for building batch and streaming data pipelines and support all the analytics, business intelligence, data science needs across the organization.

The candidate must be highly collaborative, organized, and analytical, and is expected to partner effectively with other teams within IT, business, and service units on an ongoing basis.

Data Science Engineer Responsibilities:

- Engage in the evolution of data analytics based on the strategic objective of being a data-oriented and analytics-driven company.
- Collaborate with business functions on defining business cases for data and analytical projects, based on an understanding of value drivers and knowledge of technical possibilities.
- Initially, the focus will be on the maintenance and refinement of the recently deployed RStudio servers across multiple regions, which will later expand to include Azure cloud-based services such as Azure Data Factory, Azure Databricks, and Power BI.
- Collaborations with both the business and IT teams to define business problems, refine the requirements, and design and develop analytics systems and/or end-to-end solutions.
- As an analytics system champion, engagement with stakeholders to communicate the vision for analytics, understand and address pain points, diplomatically overcome resistance to adoption, and demonstrate the value.
- Network with key business stakeholders to be an advocate and ambassador for the analytics systems.
- Develop and maintain statistical programming standards and best practices to be advocated by IT and used by business.

It is the General Re Corporation continuing policy to afford equal employment opportunity to all employees and applicants for employment without regard to race, color, sex (including childbirth or related medical conditions), religion, national origin or ancestry, age, past or present disability, marital status, liability for service in the armed forces, veterans status, citizenship, sexual orientation, gender identity, or any other characteristic protected by applicable law. In addition, Gen Re provides reasonable accommodation for qualified individuals with disabilities in accordance with the Americans with Disabilities Act.

- Regularly meet and discuss with analytics system consumers on refining and enhancing in nonproduction environments and deploying them in production.
- Prepare data analytics solution proposals for business cases based on up-to-date knowledge of technical possibilities and overall data and analytics strategies.
- Ability to translate data-oriented proofs-of-concept, and end user analytical models, into enterprise scale data analytics applications.
- Develop organizational knowledge of key data sources and be a valuable resource to people in the company on how to best use data analytics to pursue company objectives.
- Promote the use of DevOps and MLOps in the delivery of solutions by internal and external development teams.
- Keep up to date on the industry best practices in data and advanced analytics.

Role Qualification and Experience

Education

- Bachelor's degree from an accredited institution of higher education in Computer Science, Information Systems, a science or engineering discipline or an equivalent combination of relevant education and/or experience.

Experience/Skilled Required

- The ideal candidate will have a combination of IT skills, data governance skills, analytics skills, and insurance or re-insurance knowledge with an advanced technical or computer science degree.
- At least 5-7 years of work experience leading the designing, building, testing, and maintaining analytics systems (e.g., RStudio) which includes integration to data sources and piping.
- At least 5-7 years of experience working in cross-functional teams and collaborating with business stakeholders in support of a (multi-)departmental initiatives.
- At least 2 years of experience applying and advocating DevOps to both IT and business units.
- Advanced programming skills, including debugging, data manipulation, analysis, and visualization.
- Advanced knowledge of analytics tools and systems and how to use them effectively.
- Creative and innovation thinking.
- Ability to network and be recognized as an expert in analytics systems across a variety of business and IT roles.
- Ability to deliver high volume, high quality work, and meet deadlines.
- Ability to manage and supervise staff.
- Excellent communication skills, both written and verbal, including the ability to lead discussions, presentations, and training to both technical and non-technical audiences.
- Expert in the statistical programming language R and/or Python.
- Strong experience with analytics tools such as RStudio, Azure Databricks, and Power BI.
- Strong experience with relational databases (e.g., MariaDB, Oracle) and/or nonrelational databases.
- Strong experience with popular database programming languages including SQL, others for relational databases, knowledge of nonrelational databases.
- Strong experience in producing reproducible work products.

- Experience in agile methodologies and capable of applying DevOps principles to data pipelines and analysis to improve the communication, integration, reuse, and automation of work products.
- Experience in implementing Actuarial concepts (e.g., pricing) into analytics systems.
- Basic experience working with modeling languages such as Stan, JAGS, and TensorFlow.

Experience/Skilled Required

- Experience in the effective governance of third-party service delivery partners
- Experienced in software development life cycle methodologies (e.g., Agile) and current technology industry best practices

If you want to shape your future with us, please send your resume to Linda Dalesio: ldalesio@genre

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