

## Principal Engineer for Infrastructure

**Summary:** The Principal Engineer for Infrastructure (PE) designs and develops sub-systems for NewRiver’s document and data infrastructures under the direction of the Infrastructure Software Architect. The document and data infrastructure is mission critical and handles the processing and workflow for the production of NewRiver’s data and document assets. The PE will be responsible for scoping, designing and delivering critical new infrastructure components; troubleshooting and maintaining existing infrastructure; and researching and integrating new tools into the infrastructure. The PE must be skillful in the art of object-oriented programming, with deep experience in building and maintaining mission-critical, time-sensitive production systems involving large data sets. Proficiency in SQL, Perl scripting, and job scheduling is also required.

- Essential Duties/Tasks:**
- Works with Infrastructure Software Architect and VP Software in scheduling tasks
  - Plans, designs, and implements objects and components under the direction of architect
  - Assists the QA team in assessing testability of the system
  - Works closely with application development teams to provide seamless back-end integrations of data and documents for the application’s use
  - Works closely with US and India Production teams to provide diagnosis and troubleshooting of system issues
  - Participates in design and code reviews
  - Stays abreast of new tools which could be useful

- Knowledge of Industry, Product, and Technology:**
- 10+ years in software development
  - 5+ years in back-end systems design and development
  - 5+ years database design and development (any SQL flavor)
  - 2+ years XML/XSL experience required
  - 2+ years Oracle 10g experience required
  - 3+ years in Perl scripting
  - 3+ years experience in building, maintaining high-availability systems involving large data sets
  - Skillful in object-oriented programming
  - Knowledgeable in the software field’s concepts, practices, and procedures
  - Good working knowledge of current software development technology trends
  - ActiveBatch experience a plus

- Education and Other Qualifications**
- BS CS/EE required
  - Supportive of other technical and non-technical team members
  - Easy to understand when explaining a problem/idea in person; easy to follow when explaining a problem/idea via email
  - Creative problem-solving skills
  - Relentless follow-through skills

To apply for this position, email [humanresources@newriver.com](mailto:humanresources@newriver.com).

To learn more about NewRiver, Inc., visit us online at [www.newriver.com](http://www.newriver.com).