

Posting Notice

Personnel Requisition Details

Job Type Description:	Software Engineer II
FLSA:	Exempt
Secondary Title:	Science Support and Archive (SSA) Software Engineer
Position Type	Staff Position
Division:	Data Management & Software
Location of Position:	Science Operations Center, Socorro, NM
Job Status:	Regular Full Time
FTE:	1.0
Work Schedule	Normal Business Hours
Amount of Travel Required:	Occasional domestic and international travel may be required
Number of Positions Supervised:	0
Position Summary:	Join the development team that created and maintains software for NRAO's telescopes. The NRAO operates the world's most powerful radio telescopes at various locations world-wide. As part of that operation, the observatory develops and maintains software used by the astronomy community for proposing, planning, scheduling, and analyzing observations performed with these telescopes. This position is concerned primarily with updating and maintaining the software for the observation planning phase of the process. The successful applicant will perform routine maintenance and add new features to these tools. The potential exists to help create one or more additional programs as well. In addition there are numerous opportunities for improving the tools, such as by providing wizards for the creation of certain types of observations, providing more graphical displays, and making the tools more user friendly in general. Depending on the qualifications and experience of the selected candidate, this position may be re-graded to a higher classification. * Researches, conducts or coordinates all phases of software engineering
Job Duties Summary:	work * Performs work that involves conventional software engineering practices and may include a variety of complex features * Work requires a general knowledge of precedents in the specialty area and a good knowledge of principles and practices of related specialties * Work with scientific staff to implement new features under direction of team lead * Assess the amount of effort and time required to implement a new feature, and then track that effort * Recognize and conform to the software development styles, standards, documentation requirements, and patterns already established within BF 56

	* Program new features, fix bugs, and document code * Commit changes to subversion, the source code control system used * Ensure your work builds with Maven, the build and dependency management system used * Help diagnose issues reported by users and develop better testing for applications * Work closely with other developers. * Attend weekly meetings
Competency Summary:	Most of the programming is expected to be in the java language, adhering to sound object oriented (OO) design principles. The successful applicant must be proficient in java, or demonstrate proficiency in other OO languages that can be leveraged to learn java. At least five years programming experience is required. Helpful but Not Required: ** XML, XML Schema, HTML, CSS, JavaScript ** Java SE, JSP, JSF, Ajax ** Mapping object models to relational persistence mechanisms ** UML, especially ability to read and create class and sequence diagrams
	* RDBMS, IceFaces 3.0, Hibernate, PostgresQL, Tomcat, Maven, Subversion, JIRA * python and other scripting languages
	Several applications use relational databases for persistence; some experience with databases application programming is desired.
	The new hire must be able to work closely with other developers.
	The new hire must also be willing to recognize and conform to the software development styles, standards, documentation requirements, and patterns already established within NRAO.
Minimum Education:	Bachelor's degree in computer science or related field.
Preferred Education:	An advanced degree is desired.
Minimum Experience:	Three to five years relevant experience is required. Must be familiar with a variety of software engineering concepts, practices and procedures. Requires strong interpersonal and communications skills. Equivalent relevant experience will be considered.
Preferred Experience:	Relevant experience with astronomy software and procedures is preferred.
	Some scientific background is preferred.
Physical Demands:	May occasionally work at high altitudes
Work Environment:	Office setting
Requisition Number:	00486
Job Open Date: >cV'7`cgY'8UHY.	11-&) -2013