

The USGS is seeking IT professionals with experience and skill operating and maintaining software, hardware, and operating systems in a Linux environment. Applicants who have experience with Linux operating systems, modern code management tools, and modern operating systems maintenance protocols will receive consideration for this opportunity. The successful candidates will support the ShakeAlert Earthquake Early Warning (EEW) system ([shakealert.org](http://shakealert.org)), a mission critical, distributed system that rapidly detects earthquakes and generates and issues alerts to institutional users and the public.

The position is part of a USGS university team that operates and maintains the ShakeAlert system; a 24/7 Earthquake Early Warning system. We are designing it to distribute rapid warnings of expected strong shaking when an earthquake occurs. ShakeAlert is a multi organization cooperative project to build and operate a public EEW system for the California, Oregon and Washington.

ShakeAlert is a complex set of geographically distributed machines and modules that intercommunicate via a message broker. It generates realtime earthquake products that are distributed via publicfacing servers. ShakeAlert interacts with other complex USGS supported systems including the ANSS Quake Management System (AQMS) and Earthworm. All work is accomplished in a Linux and opensource environment. The operational setting includes realtime data streams from hundreds of field sensors telemetered over a heterogeneous WAN, many distributed servers running application codes and scripts, and transactions with Oracle and MySQL databases.

Openings for these fulltime, permanent positions (GS22109/11/12) exist at the Menlo Park, Pasadena, and Seattle offices of the Earthquake Science Center. US citizenship is required. Only online applications will be accepted. The federal government is an equal opportunity employer. Please, apply only if you have experience that is relevant to this opportunity.

The deadline for applications is Monday, June 13.

### **Apply online at**

DEU [open to all US citizens]:

Seattle: <https://www.usajobs.gov/GetJob/ViewDetails/439515900/> (SAC20160230)

Menlo Park: <https://www.usajobs.gov/GetJob/ViewDetails/439512500/> (SAC20160232)

Pasadena: <https://www.usajobs.gov/GetJob/ViewDetails/439508000/> (SAC20160234)

Merit Promotion [open to current & former federal employees with status]:

Seattle: <https://www.usajobs.gov/GetJob/ViewDetails/439518700/> (SAC20160231)

Menlo Park: <https://www.usajobs.gov/GetJob/ViewDetails/439513400/> (SAC20160233)

Pasadena: <https://www.usajobs.gov/GetJob/ViewDetails/439509500/> (SAC20160235)