Software Applications Developer

higheredjobs.com/search/details.cfm



Type: Full-Time
Salary: $76,700 - $129,500 per year
Posted: 31 days ago
Category: Software Engineer/Programmer

PennState

Job Number: REQ_0000072895

Approval of remote and hybrid work is not guaranteed regardless of work location. For additional information on remote work at Penn State, see Notice to Out of State Applicants.

POSITION SPECIFICS

A

We are seeking a talented, experienced, and highly-motivated Software Developer to join the Visualization and Decision Support Division of the Applied Research Laboratory (ARL) at Penn State. You will assist in providing our customers with state-of-the-art visualization and decision support software based solutions.

ARL is an authorized DoD SkillBridge partner and welcomes all transitioning military members to apply.

You will:

- Design, develop, test, and deploy scalable software solutions
- Lead complex software development projects from architecture to delivery
- Work with data scientists to transition research-level code into production-level software applications using sound software development principles
- Conduct code reviews and provide mentorship to junior developers
- Identify performance bottlenecks and optimize system efficiency
- Maintain and improve existing codebases and development practices
- Ensure software follows modern security and compliance best practices
- Stay current with emerging technologies and propose their adoption when applicable
- Execute tasking within an Agile development process

Additional responsibilities of the higher level include:

- Coordinate Software Engineering related research and development activities between disciplines involving exploration of subject area, definition of scope and selection of problems for investigation and development of novel concepts and approaches
- Mentor and train employees in the development of software related technical, project, and business development skills

Required skills/experience areas include:

- Background in database design (SQL and NoSQL)

- Strong knowledge of APIs (RESTful and/or GraphQL)
- Fluency in Python
- Fluency in JAVA
- Fluency in SQL

Preferred skills/experience areas include:

- Current eligibility for access to classified information at the Top Secret level or higher and may be subject to a government background investigation to upgrade clearance eligibility, if required
- Experience with microservices architecture
- Exposure to AI/ML frameworks or tools (e.g., TensorFlow, PyTorch)
- Solid experience with CI/CD pipelines and DevOps practices

Your working location will be fully on-site located in either State College, PA or Reston, VA.

MINIMUM EDUCATION, WORK EXPERIENCE & REQUIRED CERTIFICATIONS

If filled as Applications Developer - Senior Professional, this position requires:
Bachelor's Degree
6+ years of relevant experience; or an equivalent combination of education and experience accepted
Required Certifications:
None

If filled as Applications Developer - Advanced Professional, this position requires:
Bachelor's Degree
3+ years of relevant experience; or an equivalent combination of education and experience accepted
Required Certifications:
None
ARL's purpose is to research and develop innovative solutions to challenging scientific, engineering, and technology problems in support of the Navy, the Department of Defense (DoD), and the Intel Community (IC).

FOR FURTHER INFORMATION on ARL, visit our web site at www.arl.psu.edu.

BACKGROUND CHECKS/CLEARANCES

Employment with the University will require successful completion of background check(s) in accordance with University policies.
All positions at ARL require candidates to possess the ability to obtain a government security clearance; you will be notified during the interview process if this position is subject to a government background investigation. You must be a U.S. citizen to apply.
Employment with the ARL will require successful completion of a pre-employment drug screen.

SALARY & BENEFITS

The salary range for this position, including all possible grades, is $76,700.00 - $129,500.00.**THE PROPOSED SALARY RANGE MAY BE IMPACTED BY GEOGRAPHIC DIFFERENTIAL**
Salary Structure - Information on Penn State's salary structure

Penn State provides a competitive benefits package for full-time employees designed to support both personal and professional well-being. In addition to comprehensive medical, dental, and vision coverage, employees enjoy robust retirement plans and substantial paid time off which includes holidays, vacation and sick time. One of the standout benefits is the generous 75% tuition discount, available to employees as well as eligible spouses and children. For more detailed information, please visit our Benefits Page.

CAMPUS SECURITY CRIME STATISTICS

Pursuant to the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act and the Pennsylvania Act of 1988, Penn State publishes a combined Annual Security and Annual Fire Safety Report (ASR). The ASR includes crime statistics and institutional policies concerning campus security, such as those concerning alcohol and drug use, crime prevention, the reporting of crimes, sexual assault, and other matters. The ASR is available for review here.

EEO IS THE LAW

Penn State is an equal opportunity employer and is committed to providing employment opportunities to all qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability or protected veteran status. If you are unable to use our online application process due to an impairment or disability, please contact 814-865-1473.

Federal Contractors Labor Law Poster

PA State Labor Law Poster

Penn State Policies

Copyright Information

Hotlines

Penn State is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to all qualified applications without regards to race, color, religion, age, sex, sexual orientation, gender identify, national origin, disability or protected veteran status. If you are unable to use our online application process due to an impairment or disability, please contact 814-865-1473.

Pursuant to the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act and the Pennsylvania Act of 1988, Penn State publishes a combined Annual Security and Annual Fire Safety Report (ASR). The ASR includes crime statistics and institutional policies concerning campus security, such as those concerning alcohol and drug use, crime prevention, the reporting of crimes, sexual assault, and other matters. The ASR is available for review here.

Related Searches:

Software Engineer/Programmer

© 2026 HigherEdJobs. U.S. Patent 8,548,928