

Software Engineer - Full Stack

About CYBER.ORG

CYBER.ORG, the academic initiative of The Cyber Innovation Center, is a cybersecurity workforce development organization that targets K-12 students with cyber career awareness through curricular resources and professional development for teachers. CYBER.ORG supports national security by building and sustaining a pipeline of students who are prepared to pursue cybersecurity careers. CYBER.ORG has a footprint in all 50 states and four territories. We are looking for dedicated, creative, and highly motivated individuals to join our team. We offer tremendous opportunities in developing professionals for growth and advancement in cyber education. We are currently seeking a Software Engineer to help us develop and maintain a world-class cyber range. CYBER.ORG is dedicated to making cybersecurity education available to all K-12 students throughout the US. We believe the next generation of cybersecurity professionals should be representative of the country they work to keep secure. To that end, we seek to build a CYBER.ORG team that represents diverse viewpoints and experiences, and we are committed to creating an inclusive environment for all employees.

Job Overview

The Software Engineer will report to the Director of Cybersecurity Content and will assist with developing and testing the CYBER.ORG Range. Our ideal candidate has experience developing software and applications, an understanding of how this software would work in an education environment, and knowledge of cybersecurity. This candidate must be able to communicate effectively and work well on a team, potentially managing multiple projects at once. We're looking for someone who is excited about technology and would love to help teachers realize how cybersecurity impacts their students' everyday lives.

CYBER.ORG's headquarters is located in Bossier City, LA; remote candidates will be considered. This position may require overnight travel to lead professional development sessions or represent CYBER.ORG at conferences.

Responsibilities

- Be an active leader/participant in development, design, testing, documentation, maintenance, and quality assurance of the CYBER.ORG Range
- Collaborate with K-12 curriculum development team and teachers
- Quickly and effectively resolve issues reported by educators and/or end users of the CYBER.ORG Range

Qualifications

Required:

- BA/BS in computer science or related field
- Additional education and training, certification or work experience can be substituted in lieu of degree
- Experience in web development and software engineering
- Strong understanding of modern software design, data structures, algorithms, and development methodologies
- Experience with designing and implementing databases, APIs, and web applications
- Experience with the following technologies and frameworks:

Preferred:

- MS in computer science or related field
 - Full Stack Development experience
 - Certifications such as: AWS Certified Cloud Practitioner, Certified Solution Architect, and/or Certified Developer
 - Experience with classroom teaching, lesson planning, curriculum development and design, and classroom management
- o Node.js
 - o Python
 - o React
 - o MySQL
 - o PostgreSQL
 - o Next.js
 - o Apache Guacamole
 - o AWS cloud computing or other cloud computing services
 - o Django
 - o Django Rest Framework
 - o git

To apply, please send a cover letter, resume, and a samples of work to resume@cyber.org.