**Job Title:** Full Stack Engineer – CyberRange Product Development

**Location:** Indian Institute of Science (IISc), Bangalore.

The Cybersecurity Centre of Excellence (CCoE) at the Indian Institute of Science (IISc) in Bangalore is looking for a self-motivated, skilled, and capable Full Stack Engineer with 1-3 years of relevant experience to assist in the design and development of the CyberRange product. This position will involve working on cutting-edge cybersecurity simulation and training platforms, where the candidate will develop, build, and integrate front-end and back-end technologies, working with researchers and product designers to develop robust, scalable, secure, and maintainable software technology.

**Primary Responsibilities will be:**

* Development, testing and deployment of full stack web applications for the CyberRange platform.
* Collaborate with research, product designers, and DevOps team to develop and implement secure, scalable features.
* Design APIs and integrating front-end and back-end components.
* Contribute to CI/CD pipelines and container deployment (Docker or Kubernetes).
* Troubleshoot, debug and optimize application for performance.
* Stay current on new and emerging cybersecurity and full stack development technologies.

**Qualifications:**

* B.E./B.Tech or M.E./M.Tech/Masters in Computer Science, Information Technology or a related qualification.
* 1 - 3 of hands-on work experience in a full stack development role.

**Preferred skills:**

* Exposure to cyber security tools, simulations and/or training environments.
* Experience in cloud deployment (AWS, Azure or GCP).
* Knowledge of containerization and orchestration (Docker, Kubernetes).
* Basic understanding of networking protocols and fundamentals of cyber security.
* One or more back-end frameworks (Node.js, Django, Flask, or Spring Boot).
* Strong experience in front-end frameworks such as React, Angular, or Vue.js.
* Experience with relational and non-relational databases (MySQL, PostgreSQL, MongoDB, etc.).
* Experience with RESTful APIs, authentication protocols and security best practices for web applications.
* Awareness of SDLC, version-control (Git) and Agile methodologies.