



Position Overview:

We are seeking a talented and motivated Software Intern to join our cybersecurity startup. As a Software Intern, you will have the opportunity to work alongside industry veterans and cybersecurity experts, contributing to the development of our cutting-edge security software solutions.

Software Intern 1:

Your role will involve writing code in Golang and C/C++, ensuring the security and reliability of our software products. Knowledge of Linux internals, kernel, networking and encryption protocols such as TLS, SSL, HTTP, and experience with C/C++ will be a significant advantage in this role.

What will you gain:

During your tenure as a Software Intern specializing in **Golang** and cybersecurity at our startup, you will have the opportunity to learn and gain valuable skills and knowledge. Working alongside industry veterans and cybersecurity experts, you will acquire in-depth insights into secure software development practices and the intricacies of building robust, reliable, and secure applications. You will deepen your understanding of Golang and C/C++ programming languages, sharpen your problem-solving and analytical skills, and learn how to apply secure coding techniques to prevent common security vulnerabilities. Additionally, you will gain hands-on experience in conducting security testing, creating comprehensive test cases, and analyzing Linux internals and kernel to identify and address potential security risks. Through collaboration, code reviews, and knowledge-sharing activities, you will expand your expertise in cybersecurity, encryption protocols, networking concepts, and the latest industry trends. This internship will provide you with a solid foundation for a successful career in software development and cybersecurity, empowering you to make a tangible impact in the ever-evolving field of cybersecurity.

Responsibilities:

- Collaborate closely with industry veterans and cybersecurity experts to design, implement, and maintain secure software applications using Golang and C/C++.
- Write clean, efficient, and secure code in Golang and C/C++, adhering to coding standards and cybersecurity best practices.
- Conduct in-depth analysis of Linux internals, kernel, and networking protocols to identify potential security vulnerabilities and implement robust security measures.
- Develop comprehensive test cases and perform thorough security testing to identify and address potential security risks.
- Stay updated with the latest cybersecurity trends, techniques, and tools, leveraging the expertise of industry veterans and cybersecurity experts.
- Assist in the investigation and resolution of security incidents and vulnerabilities under the guidance of the cybersecurity team.
- Actively engage in team meetings, brainstorming sessions, and knowledge-sharing activities, learning from industry veterans and contributing your insights to the team's growth and the organization's success.

Requirements:

- Currently pursuing a degree in Computer Science, Software Engineering, Cybersecurity, or a related field.
- Strong programming skills in Golang and C/C++, with a solid understanding of their core concepts and best practices.
- Knowledge of Linux internals, kernel, and networking and encryption protocols (e.g., TLS, SSL, HTTP) would be a significant advantage.
- Familiarity with cybersecurity principles and best practices.
- Understanding of secure coding practices and common security vulnerabilities.
- Familiarity with version control systems (e.g., Git) and collaborative development workflows.
- Good problem-solving and analytical skills to identify and address security-related issues.
- Excellent communication and teamwork skills to collaborate effectively with industry veterans, cybersecurity experts, and the development team.
- Self-motivated and able to work independently with minimal supervision.
- Strong attention to detail and commitment to delivering high-quality, secure software solutions.

Software Intern 2: Data Scientist

As a Software Intern - Data Scientist a Bachelor's degree in a related field. The successful candidate will have a strong analytical mindset, experience handling large-scale data sets, and a passion for making significant contributions to our team.

Key Responsibilities:

- Analyze large, complex data sets to derive valuable insights and develop data-driven strategies.
- Apply advanced statistical and predictive modeling techniques to build, maintain, and improve on multiple real-time decision systems.
- Design and build predictive models and machine-learning algorithms.
- Work closely with teams to integrate models into our products and systems.
- Present findings and translate complex results into business language.
- Identify valuable data sources and automate collection processes.

Requirements:

- Bachelor's Degree in Statistics, Computer Science or related quantitative field.
- Knowledge of programming languages (Python, R) and familiarity with machine learning frameworks.
- Understanding of data architecture, structures, and principles with experience in SQL and NoSQL databases.
- Strong analytical skills with the ability to collect, organize, and analyze large amounts of information with attention to detail and accuracy.
- Proficient understanding of machine learning algorithms, such as K-NN, Naive Bayes, SVM, Decision Forests, etc.
- Experience using data visualization tools, such as Kibana, Grafana, etc.

Preferred:

- Experience with big data tools (Hadoop, Spark, Kafka, etc.)
- Proficiency with AWS cloud services: EC2, EMR, RDS, Redshift.
- Familiarity with threat intelligence data.
- Experience with live streaming data.

Software Intern 3:

We are seeking a proficient Data Engineer with a Bachelor's degree and knowledge of data-related roles. The individual will play a vital role in optimizing our data systems, working closely with our team to support data initiatives, and managing large-scale data sets.

Key Responsibilities:

- Design, construct, test, and maintain data management systems.
- Implement and optimize data processing pipelines and architectures.
- Collaborate with various teams to address data-related technical needs.
- Develop and manage live streaming data processes.
- Aid in identifying opportunities for data acquisition.
- Uphold secure protocols for data handling and protection.

Requirements:

- Bachelor's Degree in a quantitative field.
- 1-4 years of experience in data engineering or related roles.
- Proficiency in distributed computing principles.
- Experience with big data and open-source tools (Hadoop, Spark, Kafka, etc.)
- Familiarity with relational SQL and NoSQL databases.
- Experience with AWS cloud services: EC2, EMR, RDS, Redshift.
- Expertise in managing large data sets and live streaming data.
- Strong analytical skills and project management abilities.

Preferred:

- Experience with stream-processing systems (Storm, Spark-Streaming, etc.)
- Proficiency in scripting languages (Python, Java, C++, Scala, etc.)
- Some familiarity with threat intelligence data.

