**Employer:** **Location:**

**Position** Cloud Technology & IT Architecture Intern

**Salary:**

**Availability:**

**Preferred Interest** Cloud Technology, Web Development, and IT Architecture

**Expectations:**

*Students will work in this internship to develop competencies and knowledge in Cloud Technology, focusing on Amazon AWS, Google GCP, and Microsoft Azure. They will learn and apply knowledge and skills in these cloud technologies and understand how they apply to Web Development and IT Architecture. Students will start by observing and learning and progress to executing tasks as directed by their supervisor. They are expected to meet the same criteria as full-time employees regarding a drug-free workplace, maintaining confidentiality, and meeting the requirements of their particular position in the hours employed. Employers will be expected to provide a safe work environment according to the Occupational Safety and Health Administration (OSHA) and comply with Federal and Ohio Minor Employment Laws if the student is under 18. Additionally, students will gain exposure to Cyber Security practices as they pertain to cloud technology.*

**Responsibilities:**

* Assist in the design, management, and maintenance of cloud-based infrastructure on platforms such as AWS, Google GCP, and Microsoft Azure.
* Provide technical assistance to users for cloud-related issues, resolving problems for clients in person, over the phone, or digitally.
* Monitor cloud system functioning to verify correct operations and detect errors.
* Research and implement best practices in cloud technology, cybersecurity, and IT architecture.
* Record events and problems, and their resolution in logs.
* Assist in the integration of cloud services with on-premises systems and web development projects.
* Support in the development and management of cloud-based applications.
* Conduct data analysis using cloud-based tools.
* Assist in identifying and solving potential and actual security problems within the cloud environment.
* Help to maintain cloud security controls and ensure compliance with security policies.
* Participate in incident response, including identification, triage, investigation, and action related to cloud security incidents.
* Work with others to complete tasks, hit milestones or targets, and resolve conflicts related to cloud projects.
* Assist in the oversight of cloud technology operations and evaluate them according to established goals.
* Help to create and maintain documentation related to cloud systems and network functionality.
* Collaborate with the IT architecture team to design and implement scalable cloud architectures.
* Design IT/Cloud Architecture using diagramming tools and create comprehensive documentation to support architecture designs.

**Desired Skills:**

* Self-starter with a keen interest in cloud technology and IT architecture.
* Ability to communicate clearly and effectively both verbally and in writing.
* Pursuing an education in IT, Computer Science, Cybersecurity, or a relevant field.
* Basic knowledge of cloud platforms such as AWS, Azure, or Google Cloud.
* Understanding of web development and its integration with cloud technologies.
* Experience with diagramming tools such as Microsoft Visio, Lucidchart, or similar.
* Proficiency in Microsoft Word and Excel, and experience communicating through email.
* Basic networking knowledge and familiarity with cybersecurity principles.
* Ability to analyze data and generate insights using cloud-based tools.
* Strong problem-solving skills and a service-oriented mindset with a technical approach.

**Educational Goals:**

* Gain hands-on experience with leading cloud platforms such as AWS, Google GCP, and Microsoft Azure.
* Develop a comprehensive understanding of cloud architecture and its application in web development and IT infrastructure.
* Learn to design, implement, and manage scalable and secure cloud solutions.
* Acquire skills in using diagramming tools for creating IT and cloud architecture documentation.
* Understand the integration of cybersecurity practices within cloud environments.
* Enhance problem-solving and technical troubleshooting skills in cloud-based systems.
* Build proficiency in system administration, network security, and information security policies.
* Cultivate effective communication and documentation skills for technical environments.
* Foster critical thinking, judgment, and decision-making abilities in cloud technology projects.
* Develop a robust resume and/or LinkedIn Profile to proactively assist in their post-secondary education and/or career options.