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Summer 2023  
Hybrid Cloud Data Engineer Internship  
at  
Nutanix

**Working Situation and Type of Work -**

During the Summer of 2023, I undertook a remote Hybrid Cloud Data Engineer Internship from May 15th to August 18th. I worked remotely from Arlington, Texas, contributing to a comprehensive software development project. The internship primarily involved the creation of backend APIs, implementation of changes on the Identity and Access Management (IAM) side, and development of front-end components, all of which were eventually integrated into a cohesive system.

**Helping Courses -**

This software development role demanded a strong foundation in various disciplines, including Software Engineering and Cloud Computing, which I had gained through coursework at the University of Texas at Arlington (UTA). My previous work experience also provided me with essential insights into project management and collaborative software development practices. This background effectively prepared me to tackle the challenges presented during the internship.

**Outcome -**

Engaging in this internship yielded significant benefits beyond financial compensation. I acquired proficiency in new programming languages and frameworks, such as GoLang and React, which broadened my skill set. The experience of deploying a server online, along with testing and debugging activities, enhanced my technical problem-solving abilities. Additionally, I gained a deeper understanding of real-world software development practices, improving my teamwork, communication, and project management skills.

**Experience -**

My primary project during the internship was the development of a backend API responsible for delivering Insights to the Nutanix Central dashboard—a unified platform for users. This API interfaced with Insights, an internal portal, and provided relevant

information to the Nutanix dashboard based on user privileges. This experience was both challenging and gratifying, as it introduced me to new technologies, methodologies, and the intricacies of delivering data securely and efficiently. Collaborating with a renowned software development company like Nutanix was a unique opportunity that allowed me to gain exposure to best practices and learn from industry experts.

Other than the technical exposure, I got to work across different teams (UI design, Backend development, IAM management) at various locations. I also got to talk to some of the company leaders which was an enlightening discussion. One of the exciting experiences in this duration was the **U-Hack 2023** i.e. a company-wide hackathon where interns from across the world take participation. I got to work with an amazing team of 7 like-minded people. Our hackathon project was about introducing AI to the product trial initiation flow for the customers. This would help in delivering smart suggestions, latest news, and announcements to existing and new customers and would potentially increase revenue for Nutanix. We ended up getting 2nd prize for our team in the hackathon.

### **Feedback -**

Reflecting on my experience, I wholeheartedly recommend this internship to my friends and fellow students. The hands-on exposure to software development, integration of diverse components, and collaboration with a top-tier company provided immense value. The skills and insights gained during this internship not only enhanced my technical prowess but also bolstered my professional growth. This experience has solidified my passion for software development and equipped me with a competitive edge as I progress in my academic and career journey.