Yash Kalyani

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WORK EXPERIENCE

Dell Technologies Inc. **Austin, TX**

*Software Engineer II – **Powerscale*** ***August 2024 – Present***

- Design and Develop an API for a disaggregated compute-storage architecture, enabling efficient data writing and supporting scalable infrastructure.
- Implemented policy enforcement to protect scheduled snapshots from unauthorized deletion or modification, contributing core code changes and 30+ unit tests to ensure reliability and security within Agile workflows.
- Diagnose and resolve Sev 1–3 defects across the OneFS operating system by analyzing system logs, running targeted test suites in Jenkins, and partnering with cross-functional teams to ensure timely fixes.
- Conduct code reviews to promote high-quality, maintainable code aligned with engineering best practices.
- Tech used: C/C++, Python, Git, Docker, Jenkins, Jira, and Linux

*Software Engineer I - **Powermax*** ***August 2023 – August 2024***

- Partnered with senior engineers to design and implement a dashboard that analyzes dial-home data from over 250 Lab and Customer PowerMax systems.
- Gathered and examined "Red Hot" statistics across the PowerMax system to support ARIMA-based forecasting, predicting high-access files and future usage trends.
- Tech used: Python, PostgreSQL, C/C++, Dbeaver, Apache Superset

*Software Engineer I - **CTIO/FOIT*** ***July 2022 – August 2023***

- Developed a proof of concept to internationalize a micro-front end for a cloud application using a Python-based translation package.
- Contributed to the development of a scalable, highly available Golang proof-of-concept application for a Kubernetes-based platform that automated virtual machine instance creation.
- Tech used: Go, Docker, Kubernetes, React, and JavaScript

EDUCATION

Texas A&M University **College Station, TX**

Bachelor's in computer engineering – C.S. Track – GPA: 3.61 ***August 2018 - May 2022***

RESEARCH

Evaluating Automated Vehicles Perceived Safety from Tweets **College Station, TX**

Aggie Research Program ***January 2021 – May 2021***

• Conducted literature reviews on related research studies to understand how different age groups perceive autonomous vehicle (AV) safety.

• Tech used: Rayyan, Python

COMPETITIONS

ConocoPhillips Innovation Challenge

1st Place ***September 2020***

- Front-end application which uses a machine learning algorithm to predict the salinity of water using various parameters.
- Tech used: JavaScript, Bootstrap, Python, Kaggle, AWS, and KNIME.

PERSONAL PROJECTS

Picky Eats ***April 2021***

- A web application that allows users to discover recipes based on ingredients they have and explore related recipes.
- Tech used: Python, and Streamlit

SKILLS

Programming Languages: C/C++, Python, Go

Tools & Platforms: Git/Github, Linux, Jenkins, Jupyter Notebook, Jira, Confluence, Review Board

PREREQUISITE COURSES & GRADES

CSCE 121: Intro to programming & Design **(B)**
CSCE 221: Data Structures and Algorithms **(A)**
CSCE 222: Discrete Structure and Computing **(A)**
CSCE 313: Intro to Computer Systems **(A)**
ECEN 350: Computer Architecture and Design **(A)**