Aryan Patel

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Education

University of Minnesota Twin Cities, Minneapolis, MN   *Graduated: Dec 2024*
Bachelor of Science in Computer Science   *GPA: 3.58/4.0*

Skills

- Languages: Java, JavaScript, Python, Groovy, HTML, CSS, SQL, PromQL, React
- Frameworks/IDE: AWS, PyCharm, IntelliJ, VS Code, Jenkins, Grafana, MySQL
- Others: Git, Docker, Bitbucket, GitHub, AWS(SVN, S3, CFN, ECS), Agile, Bash, Linux

Experience

- **DevOps Cloud Software Engineer Intern/Co-op (***Shure***)**   *May 2024 - Dec 2024*
  - Designed and implemented PromQL queries to retrieve data for dashboards, enhancing monitoring capabilities.
  - Automated Jenkins Pipeline/Job launch process using Jenkins JobDSL, eliminating manual operations and reducing maintenance time by 15 minutes per launch.
  - Configured environment setup with Ansible, ensuring configuration through code, enhancing CI/CD pipeline deployment efficiency, and reducing manual work by 30 minutes per setup.
  - Developed AWS CloudFormation templates to automate Jenkins controller deployments, enabling rapid infrastructure scaling by 50%.
  - Created Docker containers for consistent developer environments, improving workflow efficiency and reproducibility.
- **Data Structures and Algorithms Teaching Assistant (***University of Minnesota Twin Cities***)**   *Sept 2023 - May 2024*
  - Maximized student learning in labs by reinforcing concepts taught in lectures, covering material from 7 different Data Structures, 8 different Algorithms, and Java and Python fundamentals.
  - Wrote JUnit tests to grade 3 projects and 15 labs, reducing grading time by 60+ hours per week.
- **IT Intern (***Molson Coors***)**   *May 2023 - Aug 2023*
  - Developed an application using Python and React to scrape brewing control system data from 700+ files and interactively present data to user within a web browser.
  - Migrated manufacturing process website to Microsoft SharePoint using embedded HTML and CSS.
  - Remediated legacy HMI infrastructure from 30 brewery systems to prevent cyber-attacks.
  - Configured and deployed Thin Clients and Intel NUCC PCS running Intouch applications to 20 brewery systems.

Projects

- **Scraping Data**(*Work Project at Molson Coors)*   *May 2023 – Aug 2023*
  - Wrote a Python script that recursively scrapes data from 700+ daily operations files in 10 seconds.
  - Implemented a dictionary in Python to store information for easy accessibility via React app and SQL transacting to a SQL Server script.
  - Engineered a Python script to populate a SQL server table, thus reducing table update time by 2 minutes.
  - Wrote a script to automatically populate SQL Database with 100+ new rows of data.
- **Better Days**(*Group Project - Team lead)*   *Sept 2022 – May 2023*
  - Created an application that summarizes and organizes a university's mental health resources.
  - Used Flutter to create a simple User Interface students can use when having mental health emergencies.
  - Managed a 5 person team and created a productive environment by doing team bonding activities.

Leadership Experience

- **Project Director** (*United Student Education)*   *Sept 2021 - May 2023*
  - Established a 10-month timeline to create and deploy the app, providing a clear roadmap for the entire team.
  - Lead a group of 6 students to develop an app that helps students find mental health resources.
  - Delegated 10 tasks per team member to ensure project milestones are met at the end of each month.
- **External Vice President** (*Beta Chi Theta – Multi Cultural Organization)*   *May 2022 - May 2023*
  - Coordinated with various organizations, such as Bharat and United Student Education, to host events for 200+ individuals.
  - Organized a resume workshop with the participation of employees from 5 different employers around Minneapolis to assist undergraduate students before the campus career fair.

Certifications

- **JPMorgan Chase Software Engineering Forage Online Certification**   *June 2023 - July 2023*
  - Used React to display data visually through graphs for traders to see trends in the market.