

Uday Manchanda

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EXPERIENCE

- **Capital One** Richmond, VA
Software Engineer *August 2019 - Present*
 - **Data Engineering:** March 2021 - Present
 - * Migrated several ETLs from a custom solution to AWS Batch. Set up necessary infrastructure to run the jobs on a daily cadence, while also setting up alerting for failures.
 - * Helped reduce costs and improve developer experience by utilizing a single dashboard for verifying the status of these ETLs
 - * Reduced costs by streamlining Snowflake queries into a single AWS Lambda function and published to an internal streaming platform.
 - * Increased flexibility of existing API by allowing for a more permissive schema when collecting data from MongoDB and then published to a Snowflake DB.
 - **Site Reliability Engineering:** August 2019 - March 2021
 - * Created CI/CD pipeline in Jenkins to enable hands-off deployments from Development to Production.
 - * Enabled developers to identify code quality issues earlier through CI checks.
 - * Enhanced capabilities of existing custom-built failover/failback tool by increasing code coverage and adding new features. Onboarded users to this tool.

PROJECTS

- **NBA-API** Technologies: Golang, Docker
<https://github.com/umanchanda/NBA-API>
 - A simple API that scrapes data from Basketball Reference
 - Provides information about games, scores, and other various statistics.
- **Phonebook Application** Technologies: React.js, Node.js, Express.js, MongoDB
<https://github.com/umanchanda/phonebook-application>
 - Full Stack Application that performs CRUD operations for a simple phonebook.
- **Finance Application** Technologies: Flask, SQLite3, Docker
<https://github.com/umanchanda/umanchandastocks>
 - Simple Web Application that performs stock trading capabilities.

PROGRAMMING SKILLS

- **Languages:** Python, Node.js, Golang
- **Cloud Computing:** AWS
- **Web Development:** React.js, Flask
- **CI/CD:** Jenkins, Heroku
- **Misc:** Git, Docker, Terraform
- **Databases:** Snowflake, MongoDB, PostgreSQL

EDUCATION

- **New Jersey Institute of Technology (NJIT)** Newark, NJ
Bachelor of Science in Computer Science; GPA: 3.43/4.00 *Graduated: May 2019*

CERTIFICATIONS

- **AWS Certified Solutions Architect Associate:** Received: September 2021