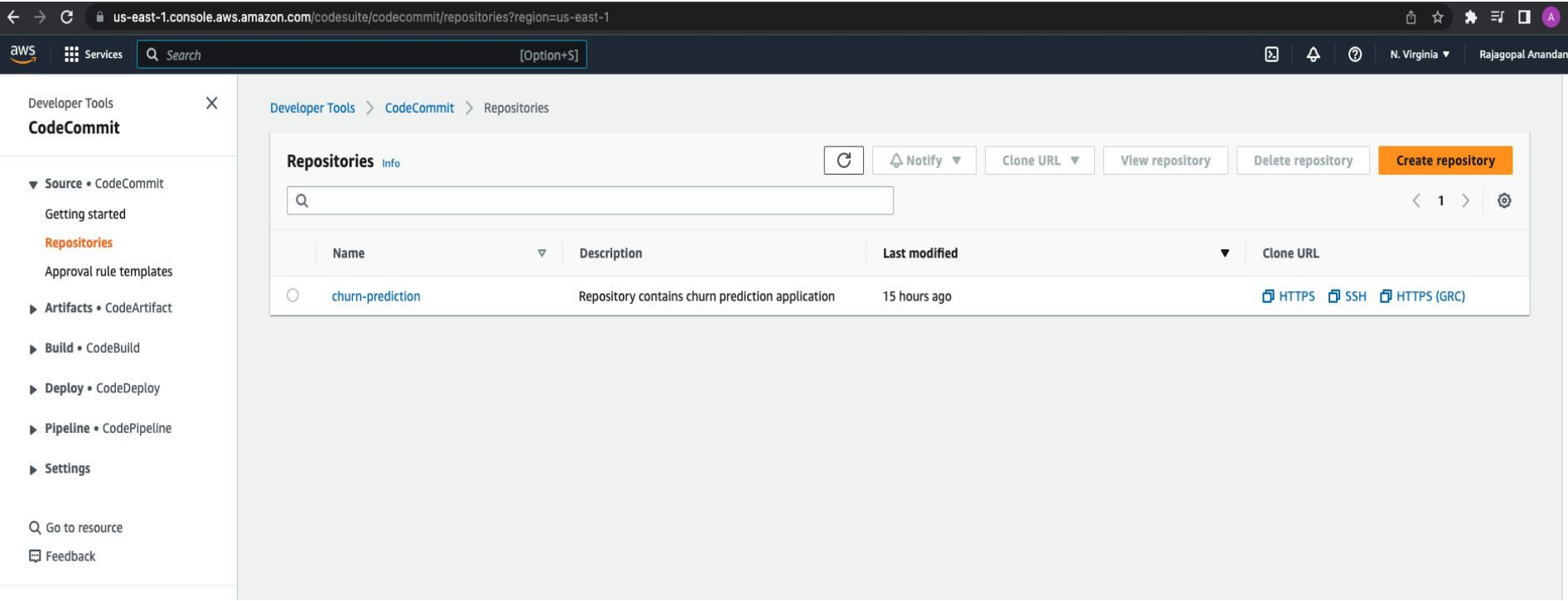
Customer Attrition Forecasting (Banking Domain)

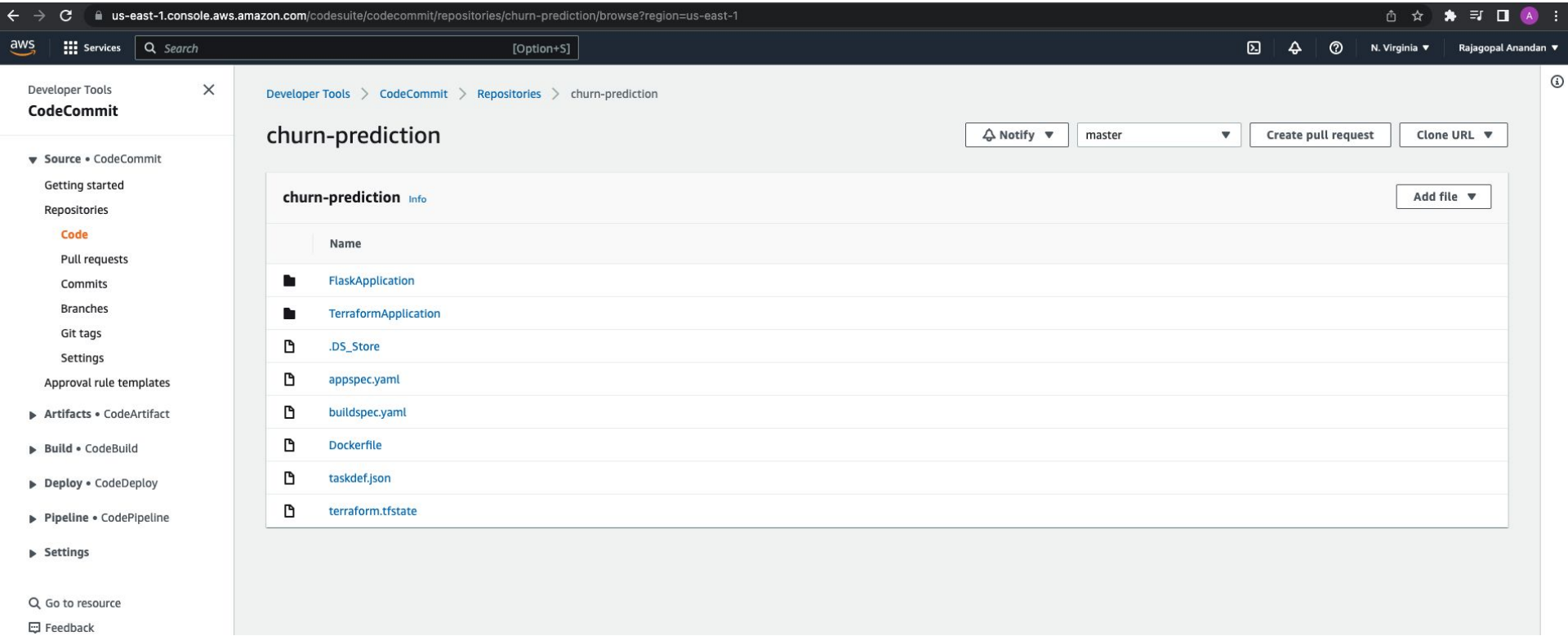
Rajagopal Anandan - 001
Nitish V.S. Ramakrishnan - 001
Meghana Vasanth Shettigar - 001
Ashutosh Kalsi - 001

ML CI/CD Pipeline Demo

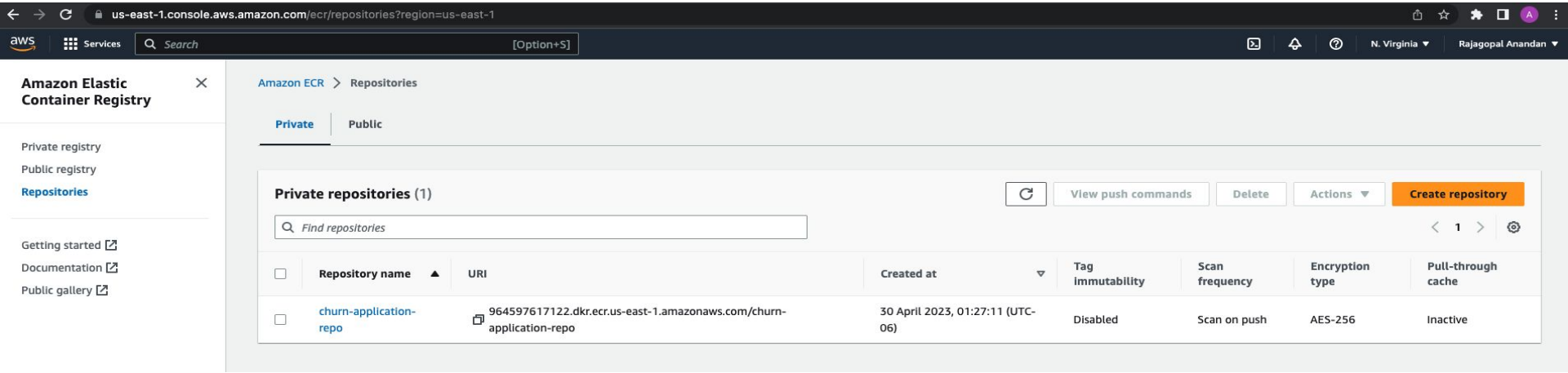
CodeCommit Repo



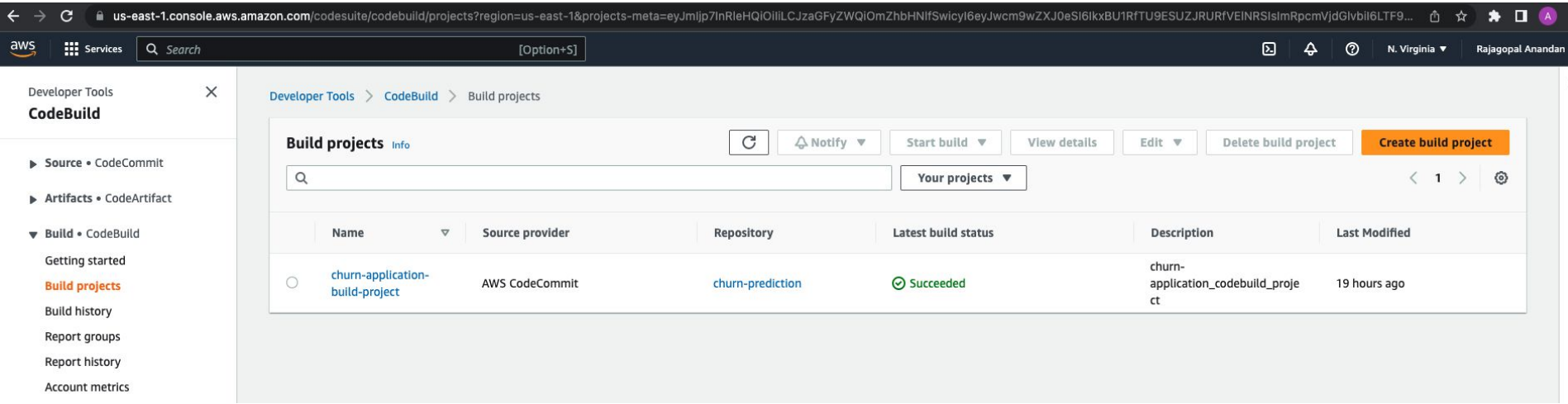
Code Migration to CC Repo

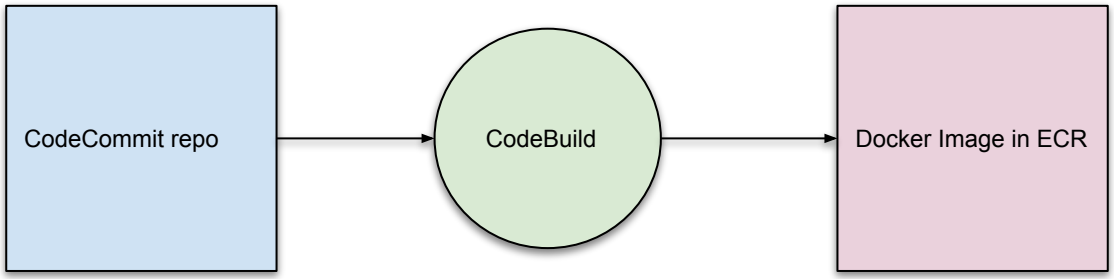


Elastic Container Registry Repo

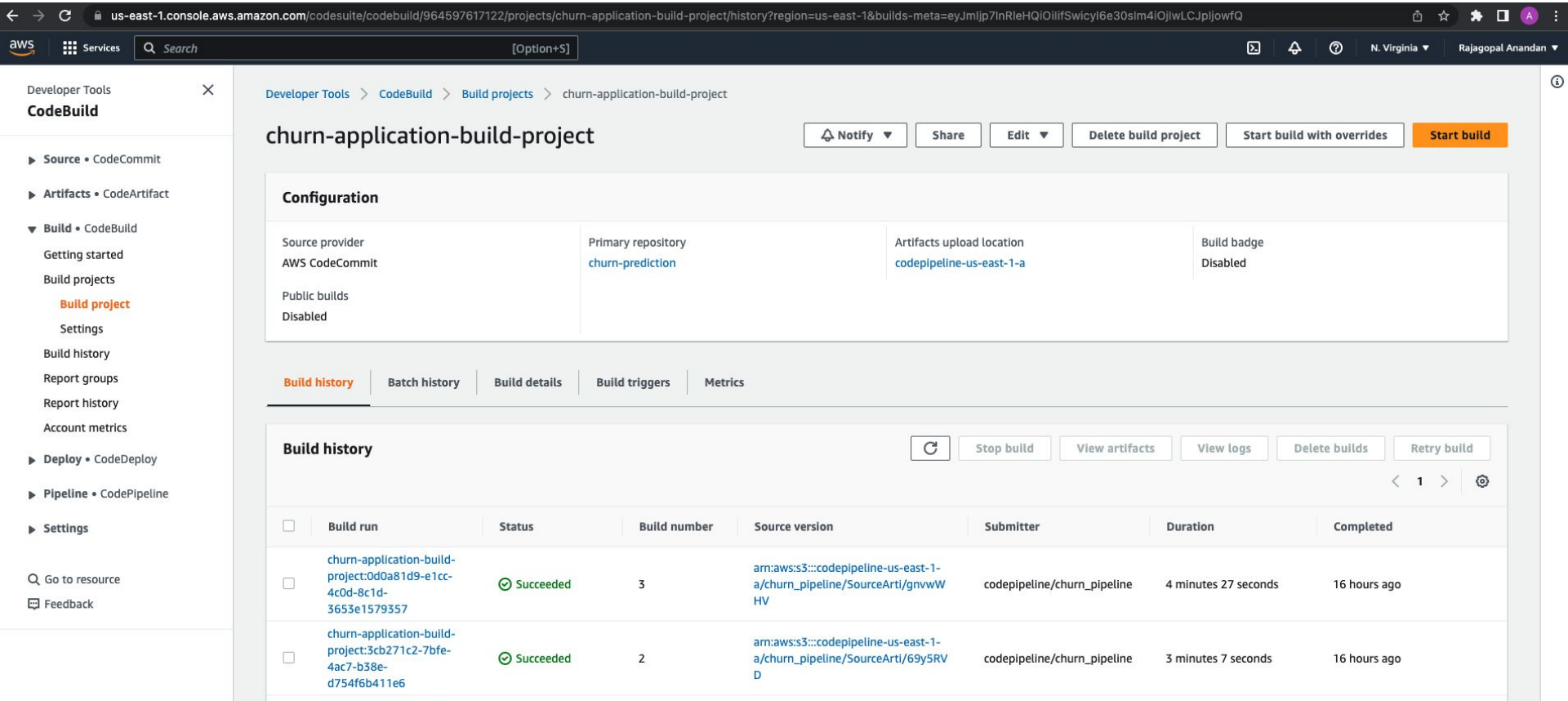


CodeBuild Process

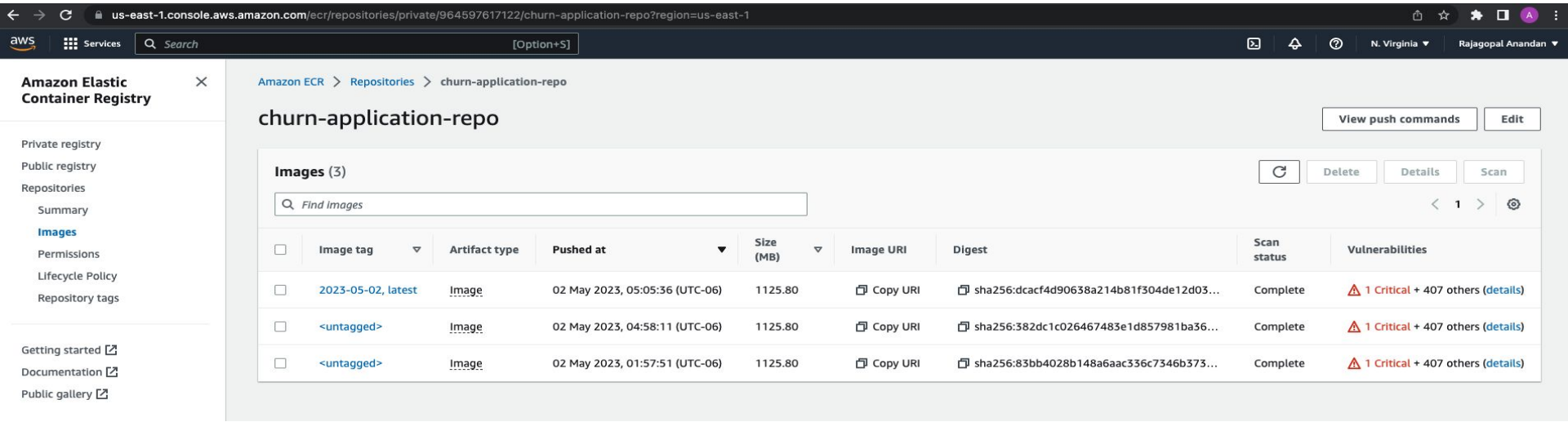




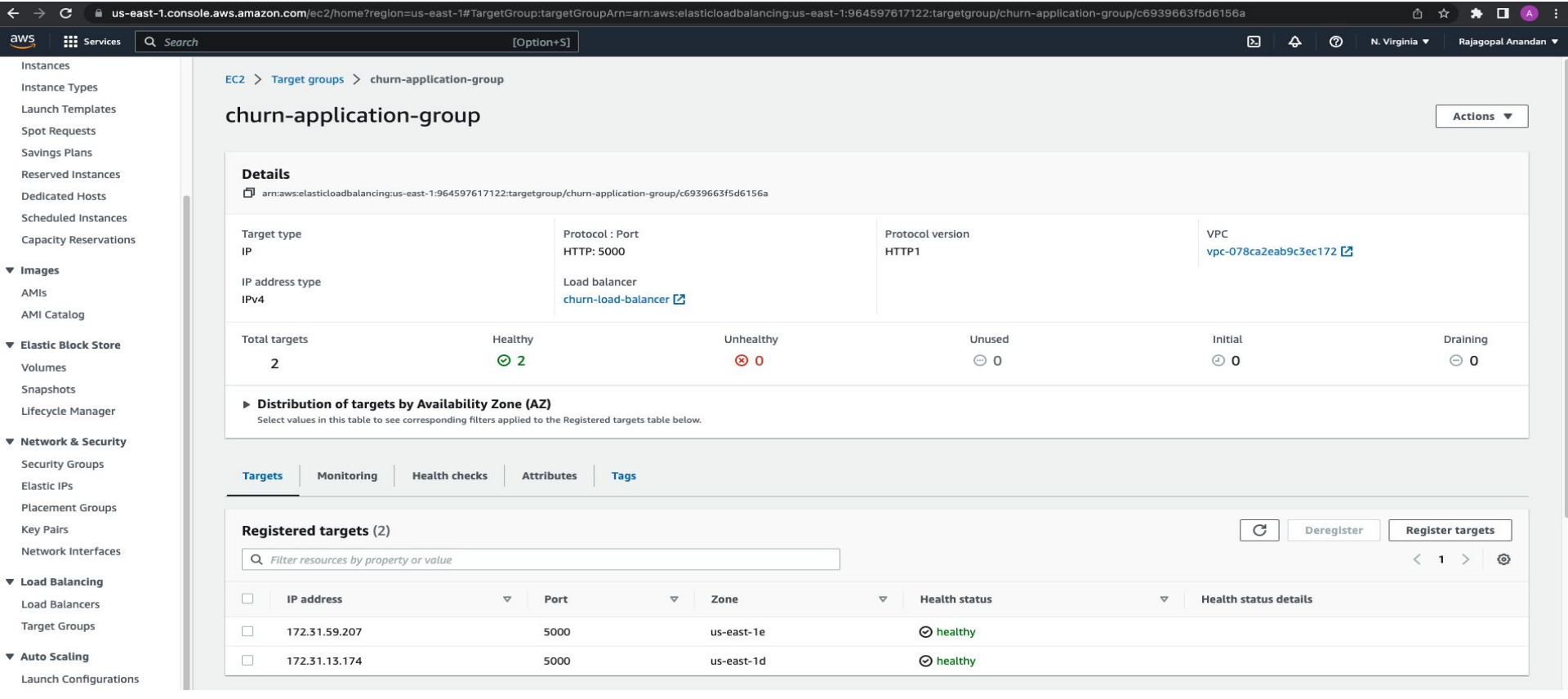
CodeBuild Process



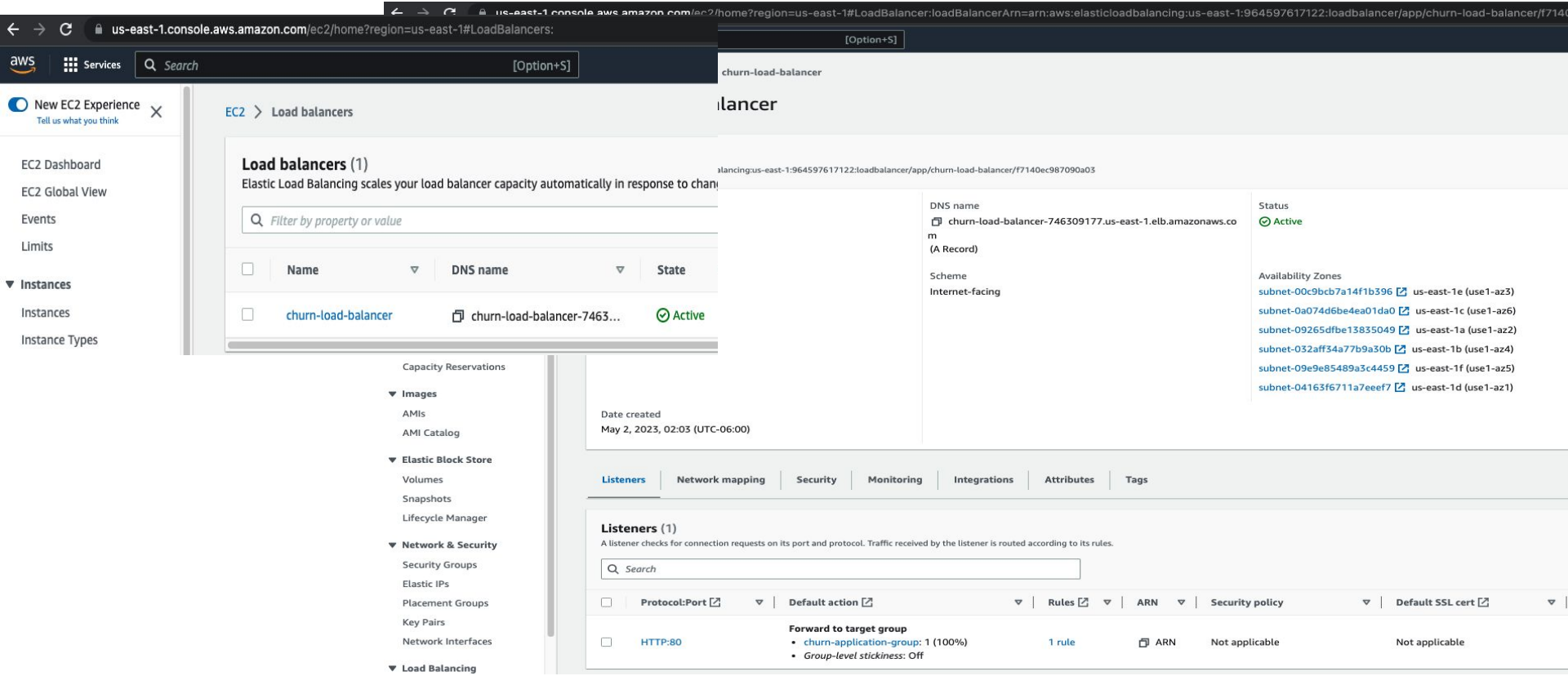
Docker Image in ECR Repo



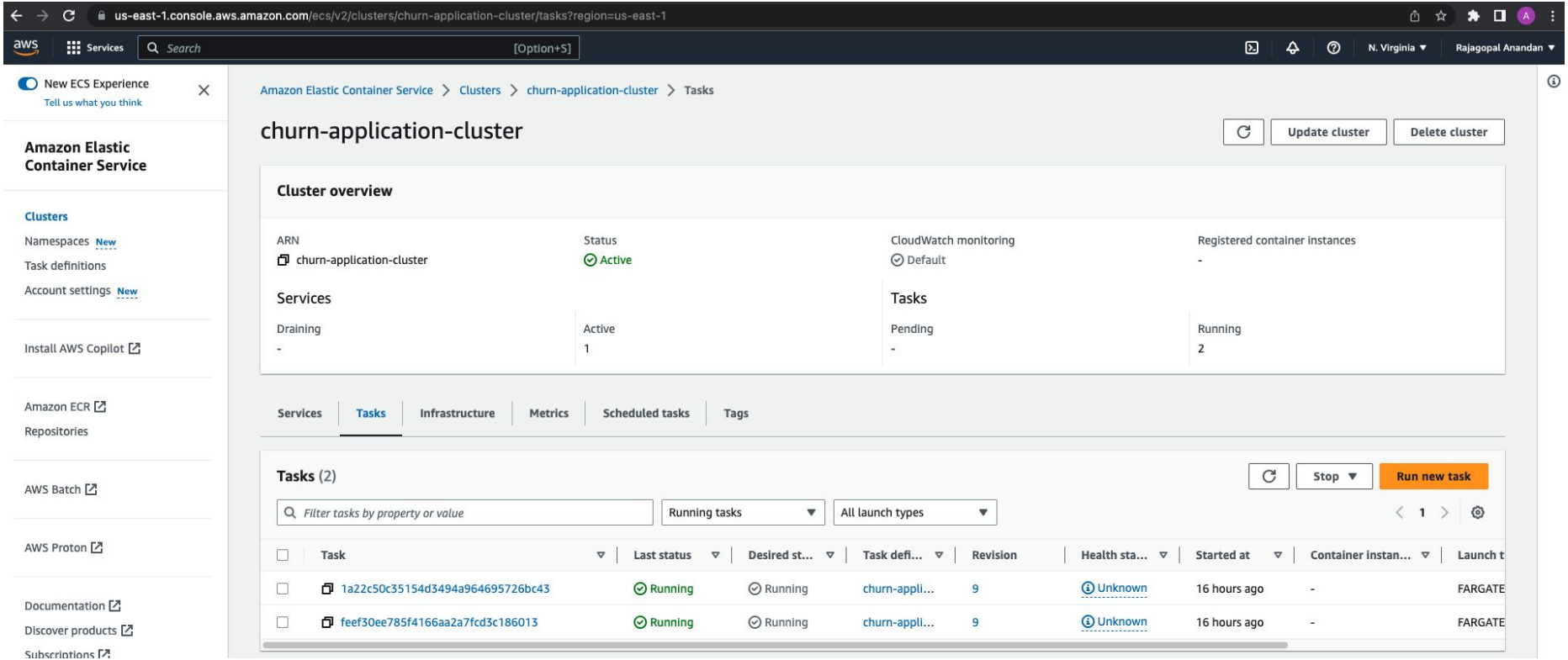
Target Group

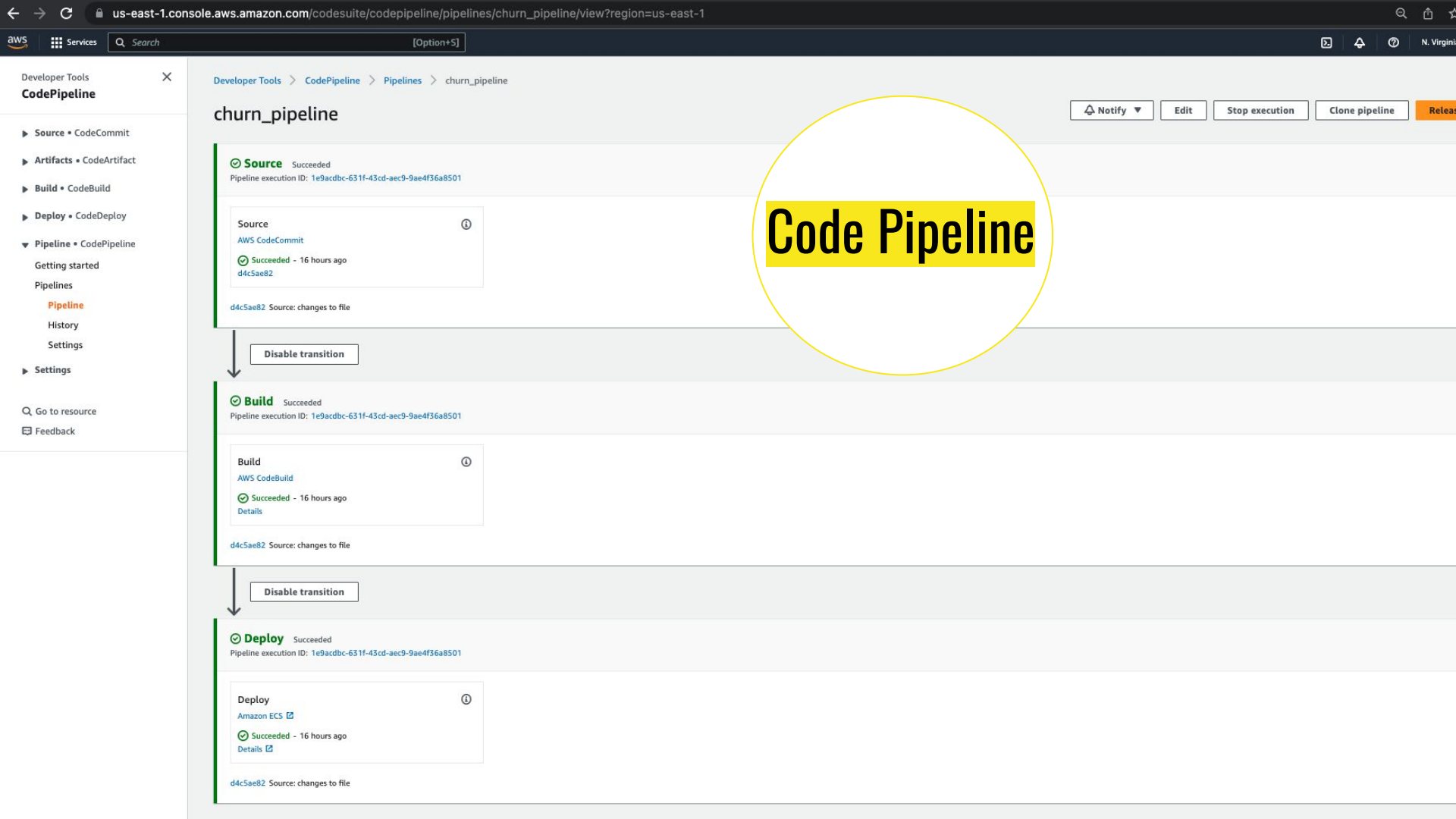


Load Balancer

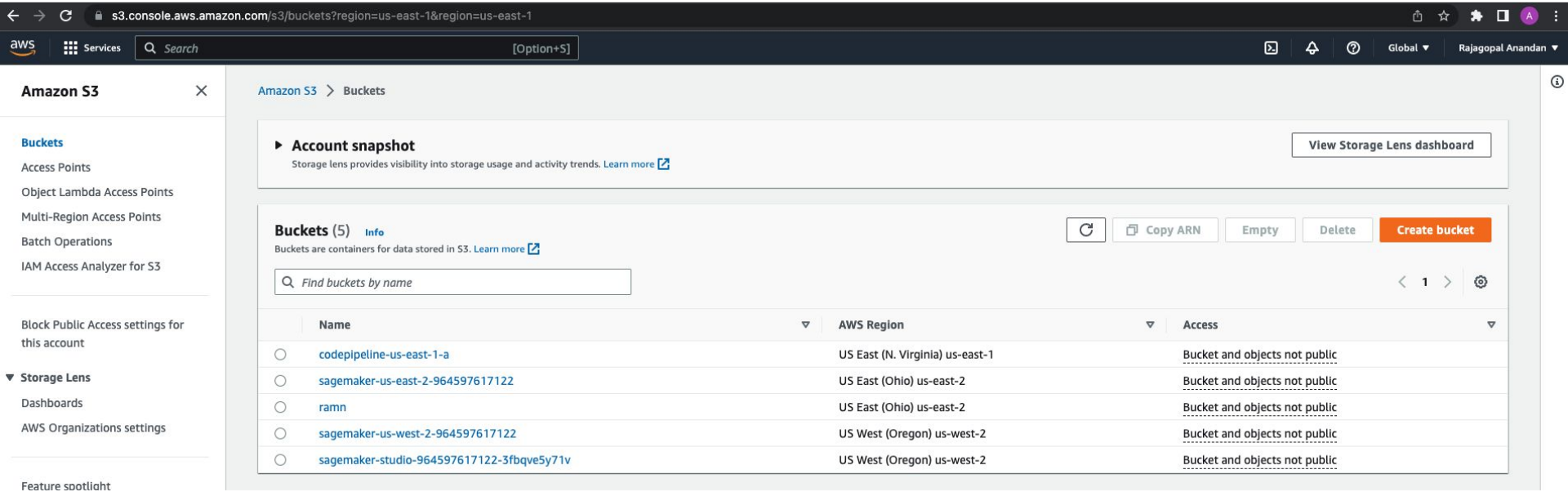


ECS Cluster


us-east-1.console.aws.amazon.com/ecs/v2/clusters/churn-application-cluster/tasks?region=us-east-1
aws
Services
Search
[Option+S]
N. Virginia
Rajagopal Anandan
New ECS Experience
Tell us what you think
Amazon Elastic Container Service
Clusters
Namespaces New
Task definitions
Account settings New
Install AWS Copilot
Amazon ECR
Repositories
AWS Batch
AWS Proton
Documentation
Discover products
Subscriptions
Amazon Elastic Container Service > Clusters > churn-application-cluster > Tasks
churn-application-cluster
Update cluster
Delete cluster
Cluster overview
ARN
churn-application-cluster
Status
Active
CloudWatch monitoring
Default
Registered container instances
-
Services
Draining
-
Active
1
Tasks
Pending
-
Running
2
Services
Tasks
Infrastructure
Metrics
Scheduled tasks
Tags
Tasks (2)
Stop
Run new task
Filter tasks by property or value
Running tasks
All launch types
1
Task
Last status
Desired st...
Task defi...
Revision
Health sta...
Started at
Container instan...
Launch t
1a22c50c35154d3494a964695726bc43
Running
Running
churn-appli...
9
Unknown
16 hours ago
-
FARGATE
feef30ee785f4166aa2a7fcd3c186013
Running
Running
churn-appli...
9
Unknown
16 hours ago
-
FARGATE


us-east-1.console.aws.amazon.com/codesuite/codepipeline/pipelines/churn_pipeline/view?region=us-east-1
aws
Services
Search
[Option+S]
N. Virgini
Developer Tools
CodePipeline
Source • CodeCommit
Artifacts • CodeArtifact
Build • CodeBuild
Deploy • CodeDeploy
Pipeline • CodePipeline
Getting started
Pipelines
Pipeline
History
Settings
Settings
Go to resource
Feedback
Developer Tools > CodePipeline > Pipelines > churn_pipeline
churn_pipeline
Notify
Edit
Stop execution
Clone pipeline
Releas
Source Succeeded
Pipeline execution ID: 1e9acdbc-631f-43cd-aec9-9ae4f36a8501
Source
AWS CodeCommit
Succeeded - 16 hours ago
d4c5ae82
d4c5ae82 Source: changes to file
Disable transition
Build Succeeded
Pipeline execution ID: 1e9acdbc-631f-43cd-aec9-9ae4f36a8501
Build
AWS CodeBuild
Succeeded - 16 hours ago
Details
d4c5ae82 Source: changes to file
Disable transition
Deploy Succeeded
Pipeline execution ID: 1e9acdbc-631f-43cd-aec9-9ae4f36a8501
Deploy
Amazon ECS
Succeeded - 16 hours ago
Details
d4c5ae82 Source: changes to file
Code Pipeline

S3 Buckets


s3.console.aws.amazon.com/s3/buckets?region=us-east-1&region=us-east-1
aws
Services
Search
[Option+S]
Global
Rajagopal Anandan
Amazon S3
Buckets
Access Points
Object Lambda Access Points
Multi-Region Access Points
Batch Operations
IAM Access Analyzer for S3
Block Public Access settings for this account
Storage Lens
Dashboards
AWS Organizations settings
Feature spotlight
Amazon S3 > Buckets
Account snapshot
Storage lens provides visibility into storage usage and activity trends. Learn more
View Storage Lens dashboard
Buckets (5) Info
Buckets are containers for data stored in S3. Learn more
Copy ARN
Empty
Delete
Create bucket
Find buckets by name
1
Name
AWS Region
Access
codepipeline-us-east-1-a
US East (N. Virginia) us-east-1
Bucket and objects not public
sagemaker-us-east-2-964597617122
US East (Ohio) us-east-2
Bucket and objects not public
ramn
US East (Ohio) us-east-2
Bucket and objects not public
sagemaker-us-west-2-964597617122
US West (Oregon) us-west-2
Bucket and objects not public
sagemaker-studio-964597617122-3fbqve5y71v
US West (Oregon) us-west-2
Bucket and objects not public

Home

Billing
Bills
Payments
Credits
Purchase orders
Cost & usage reports
Cost categories
Cost allocation tags
Free tier
Billing Conductor

Cost Management
Cost explorer
Budgets
Budgets reports
Savings Plans

Preferences
Billing preferences
Payment preferences
Consolidated billing
Tax settings

Permissions
Affected policies

AWS Billing Dashboard Info

Page refresh time: Wednesday, 3 May 2023 at 12:11:40 GMT-6

Unhide

AWS summary Info

Current month's total forecast	Current MTD balance	Prior month for the same period with trend
USD 90.47	USD 12.67	No data to display ↓ 0.0%

Total number of active services	Total number of active AWS accounts	Total number of active AWS Regions
15	1	5

Highest account spend Info

Account name	Trend compared to prior month	Current MTD balance	Prior month for the same period
Rajagopal Anandan	**↓ 0.0%**	**USD 12.67**	No data to display

View your bill

Highest AWS Region spend Info

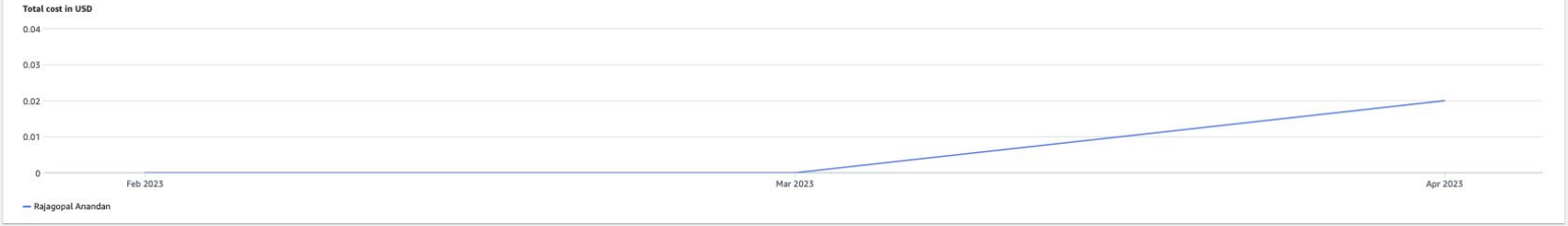
Region name	Trend compared to prior month	Current MTD balance	Prior month for the same period
US East (Ohio)	No data to display	**USD 7.26**	No data to display

View your bill

Account cost trend Info

Viewing data over a period of 3 months.

Line | Last 3 months by account



AWS Anomaly Detection

AWS Cost Management

AWS Organizations