

Subspire

Team Maverick

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Piyush Mamidwar

Harsh Patel

Project Idea:

Subspire is a Subscriptions Management Dashboard along with customized notifications from all kinds of services at one platform. It is hard for any normal individual user to keep track of their subscriptions or memberships and often forget that they are subscribed and being charged. So, we came up with a simple yet powerful solution of building a one-stop dashboard that stores your active plans, sending email notifications 5 days before your plan expiry date. You can stop worrying about missing out on any notifications while you are at work or spending time with family. All you need to do is just login to Subspire and get insights within seconds.

Subspire also values your personal data like email, name and phone number so we never collect those from people, and instead we just take the Zip Code. This is helpful to your community to contribute and understand what the best services in your neighborhood are. We envision Subspire as a B2B company in the future which can allow the service providers to understand where they stand in each location and who their competitors are.

Tech Stack:

Subspire is powered by AWS in every possible way to utilize its cloud services.

Frontend: React JS, Bootstrap5, HTML5, Tailwind CSS, Material UI

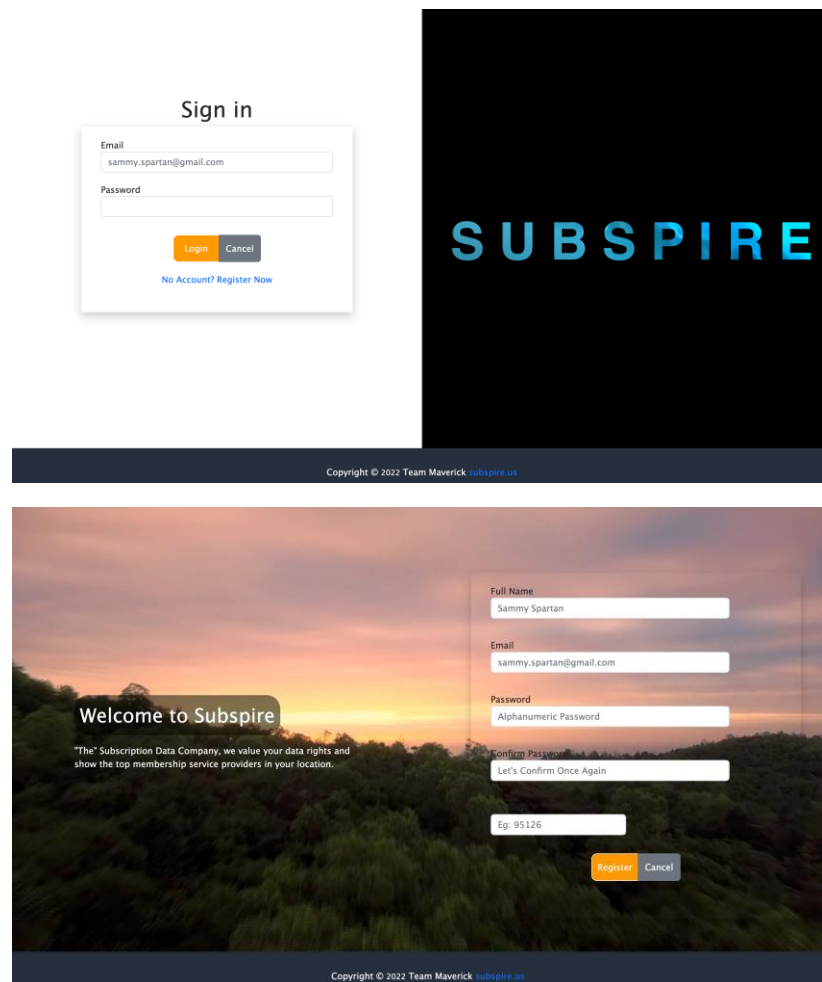
Backend: Node JS, MySQL (RDS)

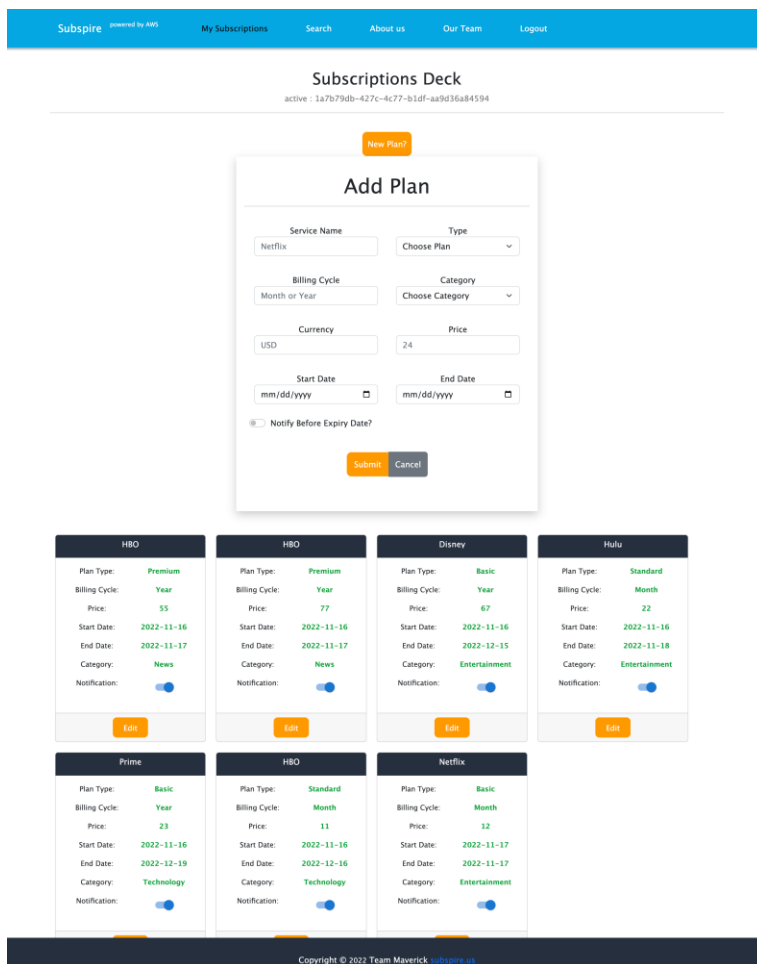
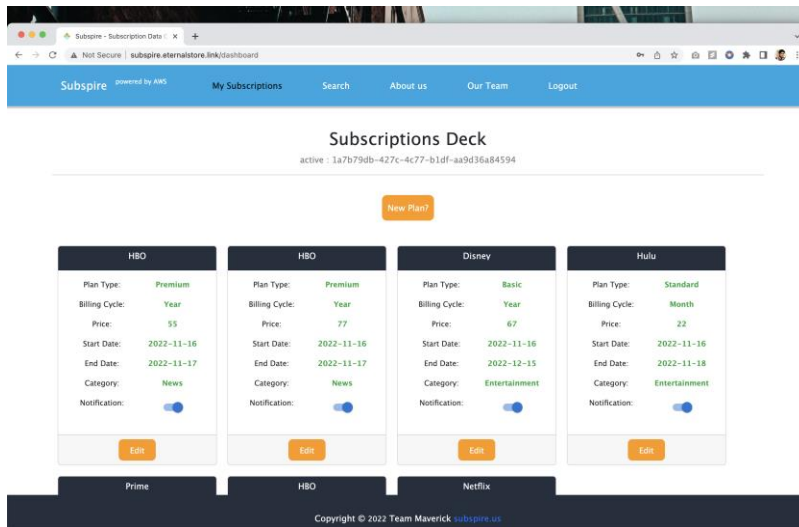
AWS: Cognito, CodeStar, CodePipeline, Elastic BeanStalk, EC2, Multi-AZ, Auto Scaling Groups, Lambda, SES, Route 53

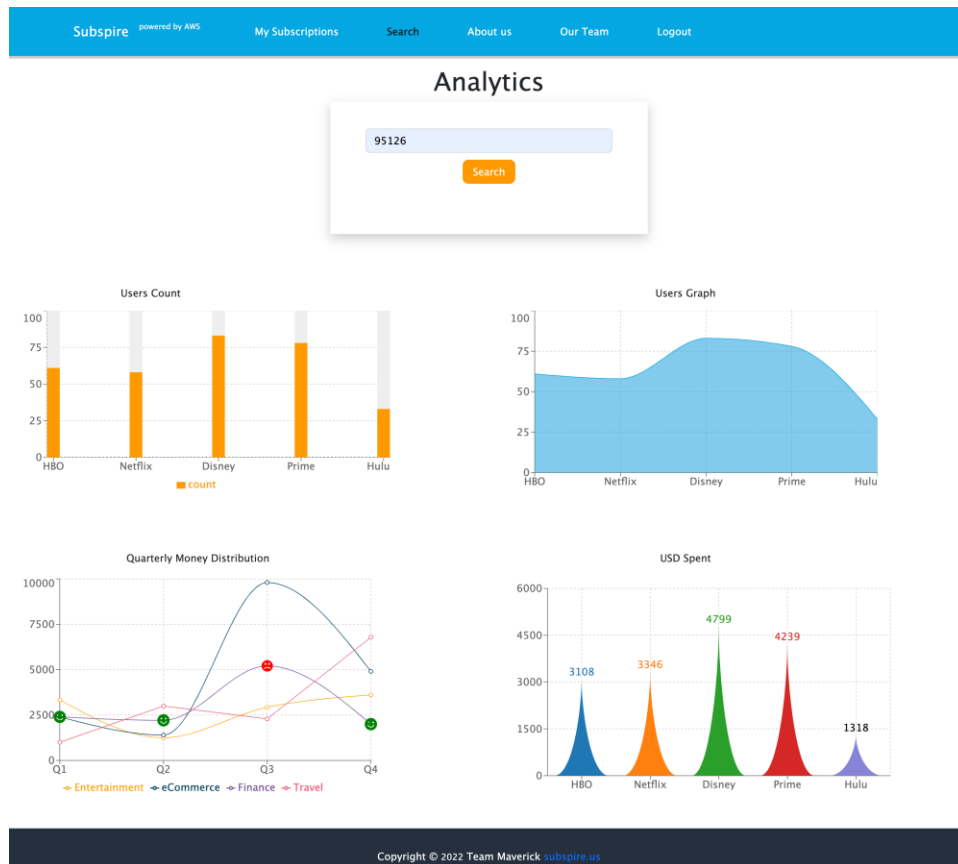
Features:

1. Beautiful UI
2. Signup & Verify email with Cognito service.
3. One-Stop dashboard where users can add new plans to track their active subscriptions.
4. Update current plans if there is any change at any point of the timeline.
5. Select whether you want to get notified or not.
6. Search based on Zip Code to see the top service providers in your area.

Demo Screenshots:







Solutions:

- Completely powered by AWS Services as a Global Cloud Solution - **Done**
- Authorized Sign in – **Done** – Used Cognito APIs and every API call is secured with Authorized Bearer Token
- Dashboard view of all your memberships and subscriptions at one place. -- **Done**
- Customize alerts for expiry dates as per your favorite time of day – Subspire sends email notifications to users 5 days before their plan's expiry date. -- **Done**
- Understand your most used subscription for every 3 months based on Analytics. -- **Done** – Created mock data in AWS RDS to understand and bring out in different Charts on screen.
- We value your data rights and privacy. -- **Done** – we don't store any of your personal information except your Zip Code and that is to provide you with best deals and services.

Subspire URL:

<http://subspire.eternalstore.link>

Test Account:

Email: phanicoool4@gmail.com

Password: abc123456

GitHub Links:

Front End: <https://github.com/phanisaimunipalli/subspire-frontend>

Back End: <https://github.com/phanisaimunipalli/subspire-backend>

Team's Effort Distribution:

Phani Sai Ram Munipalli: UX Design, UI Development, Micro-Frontends, Product Management

Priya Gupta: Designed Architecture, Implemented Cognito Services, Update API, Sign up API

Harsh Patel: Setup Amazon RDS, Script to Generate Mock Data, Created Cron Job, Login API

Piyush Mamidwar: Backend Owner, Lambda Function to integrate SES to send emails, Create Plan API

CI/CD Pipeline:

Used AWS CodeStar -> Code Pipeline -> CodeBuild for both frontend and backend services

Developer Tools

CodeStar

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CodeStar > Projects > subspire-front

subspire-frontend

View application

Overview

IDE

Repository

Pipeline

Monitoring

Issues

▼ Project activity

Edit

Pipeline

subspire-front-Pipeline

Most recent action

Deploy: ExecuteChangeSet using CloudFormation

4 hours ago

Status

Succeeded

CPU Utilization

1h 3h 12h 1d 3d 1w

0 1.67 3.34

21:00 22:00 23:00

Project resources

info

< 1 >

| Type | Name | ARN |
|-----------------------|---|---|
| AWS IAM | policy/CodeStar_subspire-front_PermissionsBoundary | arn:aws:iam:042466744933:policy/CodeStar_subspire-front_PermissionsBoundary |
| AWS IAM | role/CodeStarWorker-subspire-front-EB | arn:aws:iam:042466744933:role/CodeStarWorker-subspire-front-EB |
| AWS IAM | role/CodeStarWorker-subspire-front-CloudFormation | arn:aws:iam:042466744933:role/CodeStarWorker-subspire-front-CloudFormation |
| AWS IAM | role/CodeStarWorker-subspire-front-EBService | arn:aws:iam:042466744933:role/CodeStarWorker-subspire-front-EBService |
| AWS IAM | role/CodeStarWorker-subspire-front-ToolChain | arn:aws:iam:042466744933:role/CodeStarWorker-subspire-front-ToolChain |
| AWS Elastic Beanstalk | application/subspire-frontapp | arn:aws:elasticbeanstalk:us-east-1:042466744933:application/subspire-frontapp |
| AWS CodePipeline | subspire-front-Pipeline | arn:aws:codepipeline:us-east-1:042466744933:subspire-front-Pipeline |
| AWS CodeBuild | project/subspire-front | arn:aws:codebuild:us-east-1:042466744933:project/subspire-front |
| AWS CloudFormation | stack/awseb-e-vppdc55j7 | arn:aws:cloudformation:us-east-1:042466744933:stack/awseb-e-vppdc55j7 |
| AWS CloudFormation | stack/awscodestar-subspire-front/Sat1805a0-62ed-11ed-92e6-129696100363 | arn:aws:cloudformation:us-east-1:042466744933:stack/awscodestar-subspire-front/Sat1805a0-62ed-11ed-92e6-129696100363 |
| AWS CloudFormation | stack/awscodestar-subspire-front-infrastructure/98ba2d0-62ed-11ed-9619-d6c07ab1c2b3 | arn:aws:cloudformation:us-east-1:042466744933:stack/awscodestar-subspire-front-infrastructure/98ba2d0-62ed-11ed-9619-d6c07ab1c2b3 |
| Amazon S3 | elasticbeanstalk-us-east-1-042466744933/resources/environments/-vppdc55j7 | arn:aws:s3:elasticbeanstalk-us-east-1-042466744933/resources/environments/-vppdc55j7 |
| Amazon S3 | aws-codestar-us-east-1-042466744933-subspire-front-pipe | arn:aws:s3:aws-codestar-us-east-1-042466744933-subspire-front-pipe |
| - | githubrepository/phanisaimunipalli/subspire-frontend | arn:aws:codestar-us-east-1:042466744933:githubrepository/phanisaimunipalli/subspire-frontend |

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CodeStar > Projects > subspire-backend

subspire-backend

View application

OverviewIDERepositoryPipelineMonitoringIssues

▼ Project activity

Pipeline

subspire-bcknd-Pipeline

Most recent action

Deploy ExecuteChangeSet using CloudFormation

3 hours ago

Status

Succeeded

1h3h12h1d3d1w

CPUUtilization

18.2

9.11

0

21:0022:0023:00

Add to dashboard

Project resources

TypeNameARN

AWS IAM

role/CodeStarWorker-subspire-bcknd-EBService

arn:aws:iam::042466744933:role/CodeStarWorker-subspire-bcknd-EBService

AWS IAM

policy/CodeStar_subspire-bcknd_PermissionsBoundary

arn:aws:iam::042466744933:policy/CodeStar_subspire-bcknd_PermissionsBoundary

AWS IAM

role/CodeStarWorker-subspire-bcknd-ToolChain

arn:aws:iam::042466744933:role/CodeStarWorker-subspire-bcknd-ToolChain

AWS IAM

role/CodeStarWorker-subspire-bcknd-CloudFormation

arn:aws:iam::042466744933:role/CodeStarWorker-subspire-bcknd-CloudFormation

AWS IAM

role/CodeStarWorker-subspire-bcknd-EB

arn:aws:iam::042466744933:role/CodeStarWorker-subspire-bcknd-EB

AWS Elastic Beanstalk

application/subspire-bckndapp

arn:aws:elasticbeanstalk:us-east-1:042466744933:application/subspire-bckndapp

AWS CodePipeline

subspire-bcknd-Pipeline

arn:aws:codepipeline:us-east-1:042466744933:subspire-bcknd-Pipeline

AWS CodeBuild

project/subspire-bcknd

arn:aws:codebuild:us-east-1:042466744933:project/subspire-bcknd

AWS CloudFormation

stack/awscodestar-subspire-bcknd/6863e470-63b9-11ed-8836-0a495f6d8741

arn:aws:cloudformation:us-east-1:042466744933:stack/awscodestar-subspire-bcknd/6863e470-63b9-11ed-8836-0a495f6d8741

AWS CloudFormation

stack/awscodestar-subspire-bcknd-infrastructure/7c35d3f0-63ba-11ed-90ef-0e64d7a53ba5

arn:aws:cloudformation:us-east-1:042466744933:stack/awscodestar-subspire-bcknd-infrastructure/7c35d3f0-63ba-11ed-90ef-0e64d7a53ba5

AWS CloudFormation

stack/awseb-e-admpkjtew

arn:aws:cloudformation:us-east-1:042466744933:stack/awseb-e-admpkjtew

Amazon S3

aws-codestar-us-east-1-042466744933-subspire-bcknd-pipe

arn:aws:s3::aws-codestar-us-east-1-042466744933-subspire-bcknd-pipe

Amazon S3

elasticbeanstalk-us-east-1-042466744933/resources/environments/jr-admpkjtew

arn:aws:s3::elasticbeanstalk-us-east-1-042466744933/resources/environments/jr-admpkjtew

-

githubrepository/phanisaimunipalli/subspire-backend

arn:aws:codestar:us-east-1:042466744933:githubrepository:phanisaimunipalli/subspire-backend

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Developer Tools > CodePipeline > Pipelines > subspire-bcknd-Pipeline

subspire-bcknd-Pipeline

Notify Edit Stop execution Clone pipeline Release changes

Source Succeeded

Pipeline execution ID: 3579218b-55a7-4216-a467-ad91fd9b5df9

ApplicationSource

GitHub (Version 2)

Succeeded - 3 hours ago

e2ad2b1f

e2ad2b1f ApplicationSource: Merge pull request #5 from phanisaikumipalli/piyushgju-patch-1

Disable transition

Build Succeeded

Pipeline execution ID: 3579218b-55a7-4216-a467-ad91fd9b5df9

CodeBuild

AWS CodeBuild

Succeeded - 3 hours ago

Details

e2ad2b1f ApplicationSource: Merge pull request #5 from phanisaikumipalli/piyushgju-patch-1

Disable transition

Deploy Succeeded

Pipeline execution ID: 3579218b-55a7-4216-a467-ad91fd9b5df9

GenerateChangeSet

AWS CloudFormation

Succeeded - 3 hours ago

Details

ExecuteChangeSet

AWS CloudFormation

Succeeded - 3 hours ago

Details

e2ad2b1f ApplicationSource: Merge pull request #5 from phanisaikumipalli/piyushgju-patch-1

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subspire-front-pipeline

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Edit

Stop execution

Clone pipeline

Release changes

Source

Succeeded

Pipeline execution ID: 94679663-e490-449b-98a7-52d6fb82299b

ApplicationSource

GitHub (Version 2)

Succeeded - 4 hours ago

7892563e

7892563e ApplicationSource: MVRK - Created Team Route

Disable transition

Build

Succeeded

Pipeline execution ID: 94679663-e490-449b-98a7-52d6fb82299b

CodeBuild

AWS CodeBuild

Succeeded - 4 hours ago

Details

7892563e ApplicationSource: MVRK - Created Team Route

Disable transition

Deploy

Succeeded

Pipeline execution ID: 94679663-e490-449b-98a7-52d6fb82299b

GenerateChangeSet

AWS CloudFormation

Succeeded - 4 hours ago

Details

ExecuteChangeSet

AWS CloudFormation

Succeeded - 4 hours ago

Details

7892563e ApplicationSource: MVRK - Created Team Route

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Subgraph Front Pipeline

Execution History

Execution history

Stop execution

View details

1

| Execution ID | Status | Source revisions | Duration | Completed | Trigger |
|--------------------------------------|------------|---|-----------------------|----------------------------------|--|
| 54627965-4950-4490-8047-53684623909 | Succeeded | ApplicationSource - 7802103a (2) MWRE - Created Team Route | 8 minutes 49 seconds | Nov 12, 2022 11:51 AM (UTC-8:00) | Webhook - connection/565 - v1000-0445-4302-aa33-0a46b7a7a716 |
| 43c348ba-6c38-460c-8092-5c5d92a0867 | Succeeded | ApplicationSource - 78047222 (2) MWRE - Updated PlanBolt Response Behavior | 8 minutes 35 seconds | Nov 16, 2022 11:18 PM (UTC-8:00) | Webhook - connection/565 - v1000-0445-4302-aa33-0a46b7a7a716 |
| 66513ac3-0091-4c42-8d38-3ad849a085d | Succeeded | ApplicationSource - 78047222 (2) MWRE - Added Team Page | 9 minutes 5 seconds | Nov 16, 2022 7:12 PM (UTC-8:00) | Webhook - connection/565 - v1000-0445-4302-aa33-0a46b7a7a716 |
| 14895d3b-181a-4ea0-8a65-3ad849a085d | Succeeded | ApplicationSource - 8a517804 (2) MWRE - updated AdSign response | 9 minutes 18 seconds | Nov 16, 2022 6:55 AM (UTC-8:00) | Webhook - connection/565 - v1000-0445-4302-aa33-0a46b7a7a716 |
| 63a1287a-af9e-48af-a79f-758a71627113 | Succeeded | ApplicationSource - c0f5545b (2) MWRE - Triggering Deploy | 9 minutes 47 seconds | Nov 16, 2022 6:14 AM (UTC-8:00) | StarTrained - null |
| 075816a4-03d5-47d4-a005-427c34e1910a | Succeeded | ApplicationSource - c0f5545b (2) MWRE - Triggering Deploy | 9 minutes 27 seconds | Nov 16, 2022 7:42 AM (UTC-8:00) | Webhook - connection/565 - v1000-0445-4302-aa33-0a46b7a7a716 |
| a4701715-9152-47af-8a6c-78773015017 | Succeeded | ApplicationSource - c0f5545b (2) Merge pull request #1 from phanichanungapallu/phant | 10 minutes 56 seconds | Nov 15, 2022 8:37 PM (UTC-8:00) | Webhook - connection/565 - v1000-0445-4302-aa33-0a46b7a7a716 |
| 5a887814-af9d-48aa-50a8-8c0d75486a | Succeeded | ApplicationSource - 7c3d0990 (2) Merge pull request #1 from phanichanungapallu/phant | 9 minutes 1 second | Nov 15, 2022 12:52 PM (UTC-8:00) | Webhook - connection/565 - v1000-0445-4302-aa33-0a46b7a7a716 |
| 64870a67-5681-4c46-a261-058Aa42318 | Succeeded | ApplicationSource - 7c3d0990 (2) Merge pull request #1 from phanichanungapallu/phant | 8 minutes 59 seconds | Nov 14, 2022 12:28 PM (UTC-8:00) | Webhook - connection/565 - v1000-0445-4302-aa33-0a46b7a7a716 |
| c3b1a6b1-8a81-483c-8a55-a5e089457a7b | Succeeded | ApplicationSource - c0f5545b (2) MWRE - Reverted start and in building | 28 minutes 29 seconds | Nov 12, 2022 6:14 PM (UTC-8:00) | Webhook - connection/565 - v1000-0445-4302-aa33-0a46b7a7a716 |
| 9a68a6c-af93-47ab-8b2b-1a3d76705a4 | Shipped | ApplicationSource - 8d59a2a2 (2) MWRE - Updated package.json | 28 minutes 56 seconds | Nov 12, 2022 5:54 PM (UTC-8:00) | Webhook - connection/565 - v1000-0445-4302-aa33-0a46b7a7a716 |
| a70875c4-4271-4d24-8e54-4355c56473bc | Succeeded | ApplicationSource - 6051105c (2) MWRE - Subgraph Part 4 Signin | 6 minutes 32 seconds | Nov 12, 2022 5:19 PM (UTC-8:00) | Webhook - connection/565 - v1000-0445-4302-aa33-0a46b7a7a716 |
| 8d57703f-f204-43aa-9f0a-0a19f0a0099 | Shipped | ApplicationSource - 3c5523af (2) MWRE - Part 5 | 1 minute 25 seconds | Nov 12, 2022 5:07 PM (UTC-8:00) | Webhook - connection/565 - v1000-0445-4302-aa33-0a46b7a7a716 |
| 089404a-250f-46a0-9917-e0a231080a6 | Suppressed | ApplicationSource - 0550a0a2 (2) MWRE - Subgraph Frontend Part 2 | 27 seconds | Nov 12, 2022 5:06 PM (UTC-8:00) | Webhook - connection/565 - v1000-0445-4302-aa33-0a46b7a7a716 |
| c589a70c-781e-4862-8c70-60877300538 | Shipped | ApplicationSource - aa77900a (2) MWRE - end Subgraph Frontend 1 | 1 minute 40 seconds | Nov 12, 2022 5:07 PM (UTC-8:00) | Webhook - connection/565 - v1000-0445-4302-aa33-0a46b7a7a716 |
| 88f0a70b-6a8f-4881-782e-e5cc207864 | Succeeded | ApplicationSource - 7a0a0c7c (2) Initial commit made by AWS during repository creation. | 6 minutes 26 seconds | Nov 12, 2022 5:01 PM (UTC-8:00) | CreatePipeline - triggered - codeRepo - source - newBranch/aa65-0a7a0a0a0a0a |

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Looking for package information? Read the docs on linked settings.

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