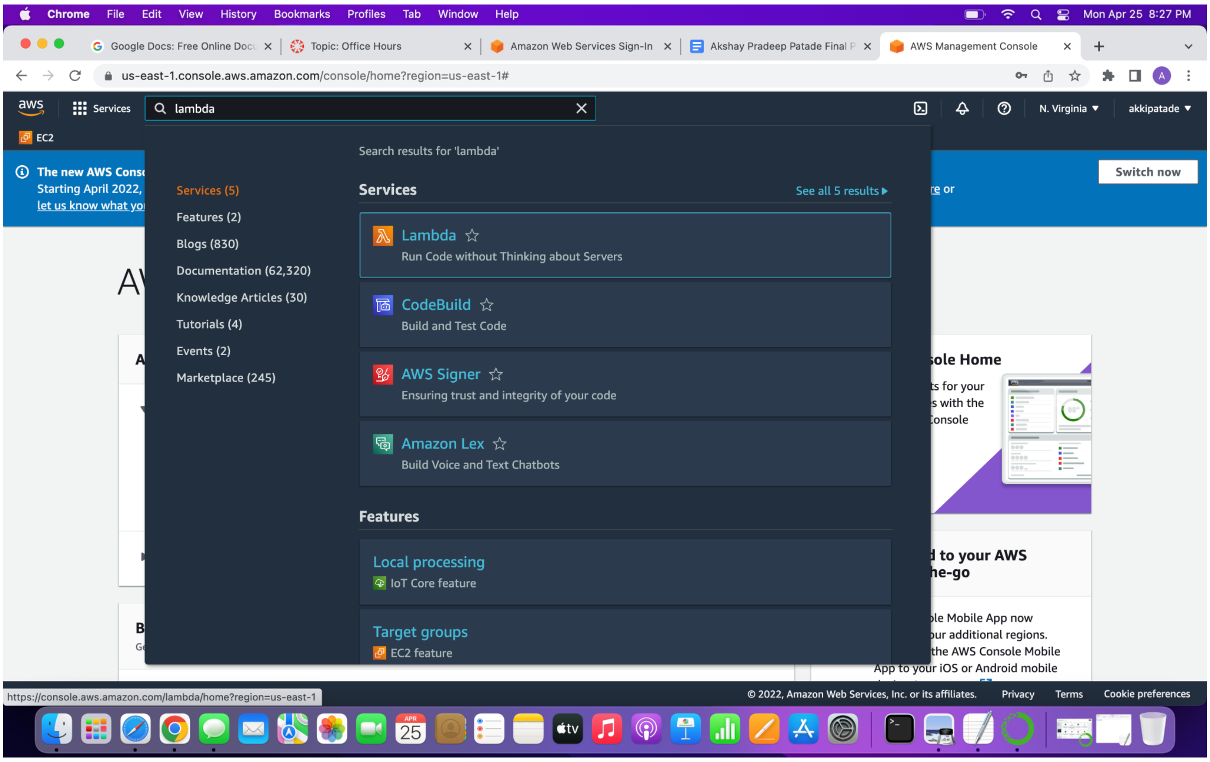
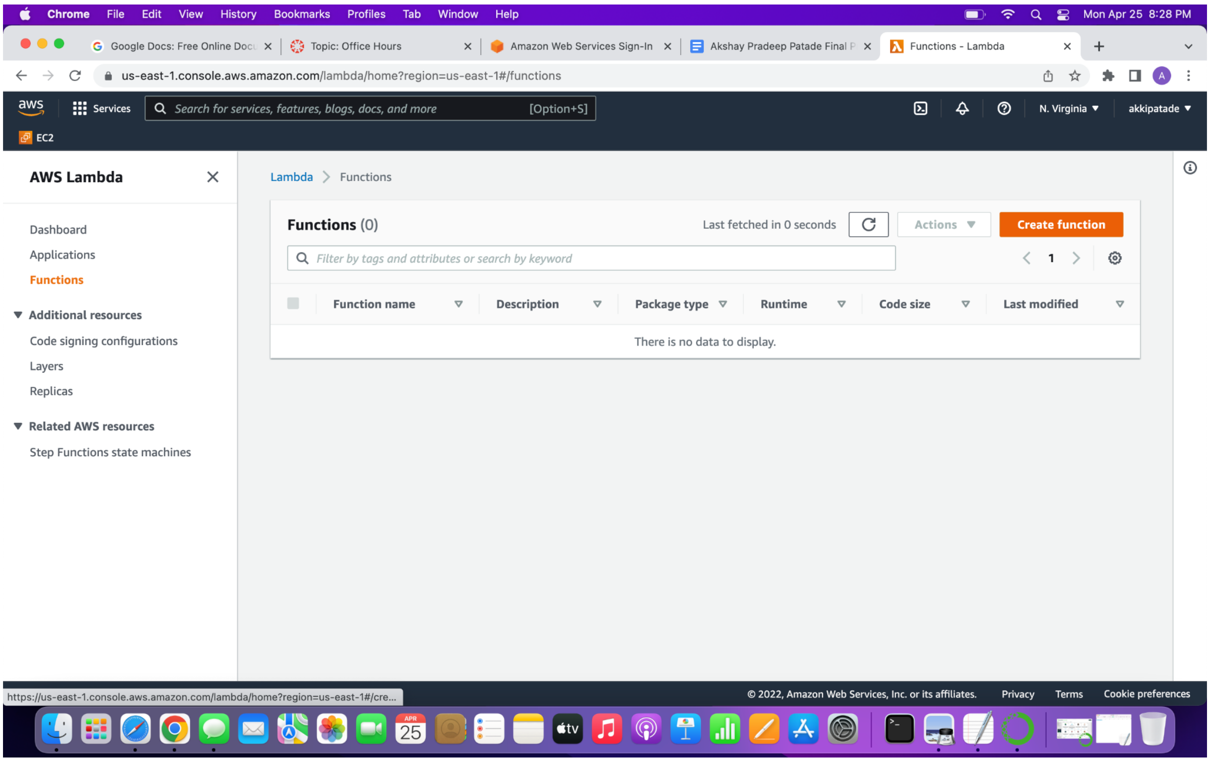
PART A: AWS

Creating a Lambda function named Avengers.

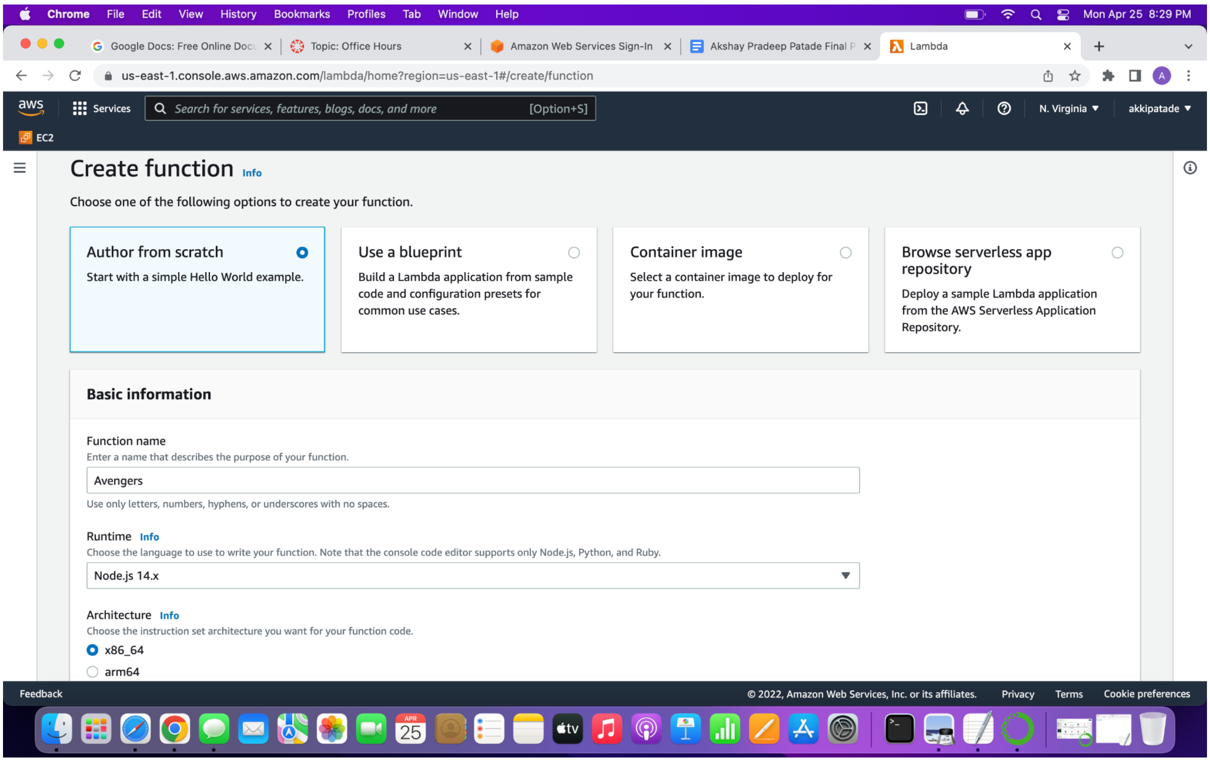
Go to AWS Management Console and search for AWS Lambda.

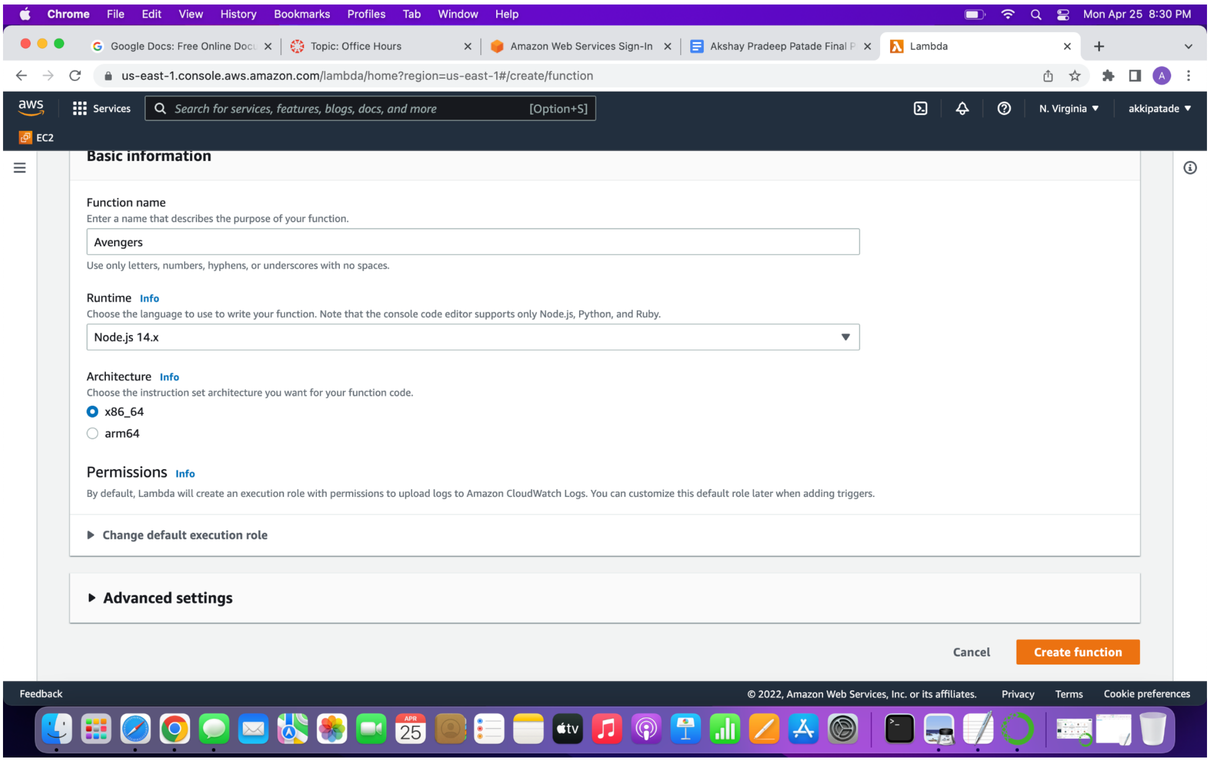


Click on create function button

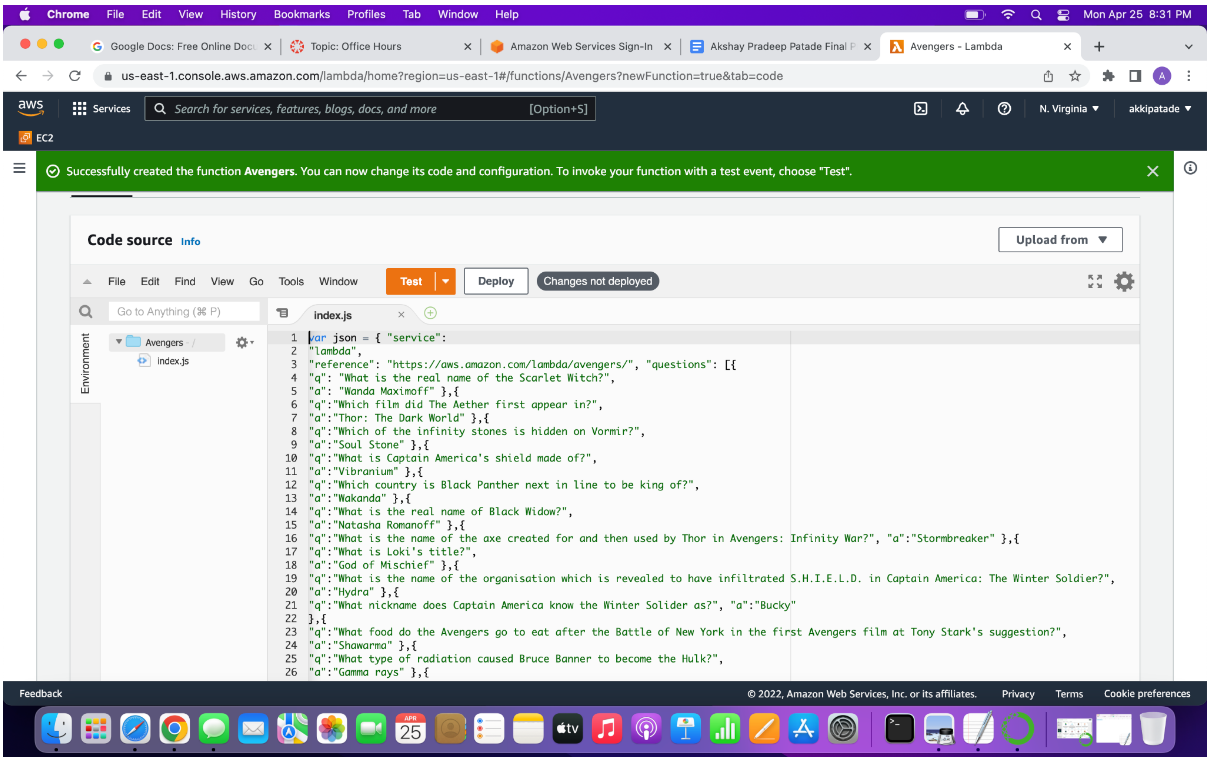


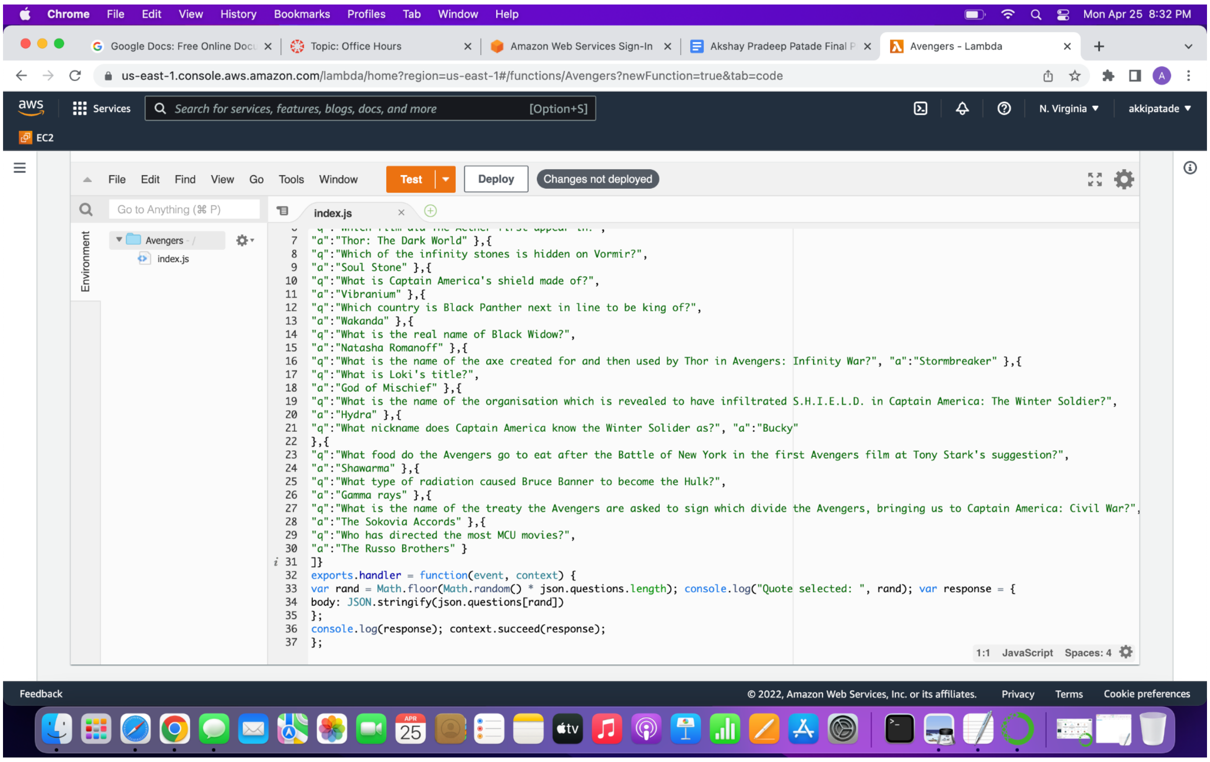
Fill the below details and press create function button



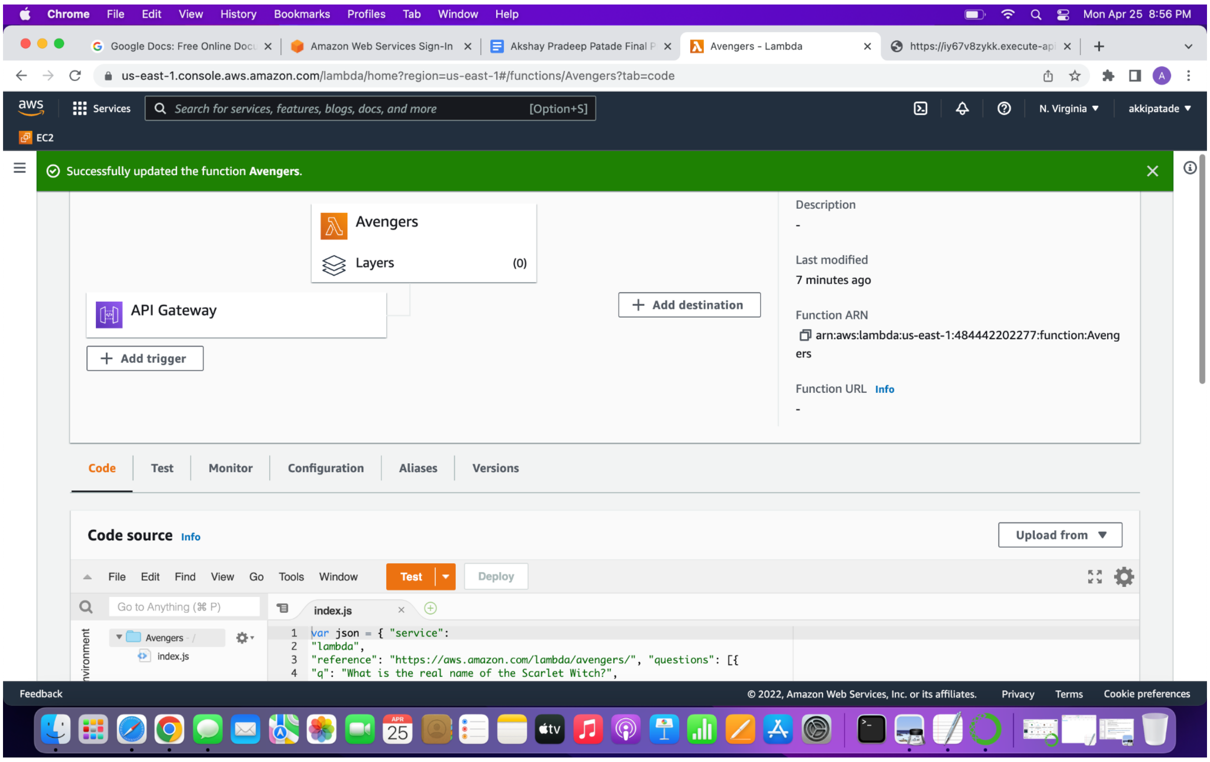


Once the function is created copy and paste the code in the code source window.



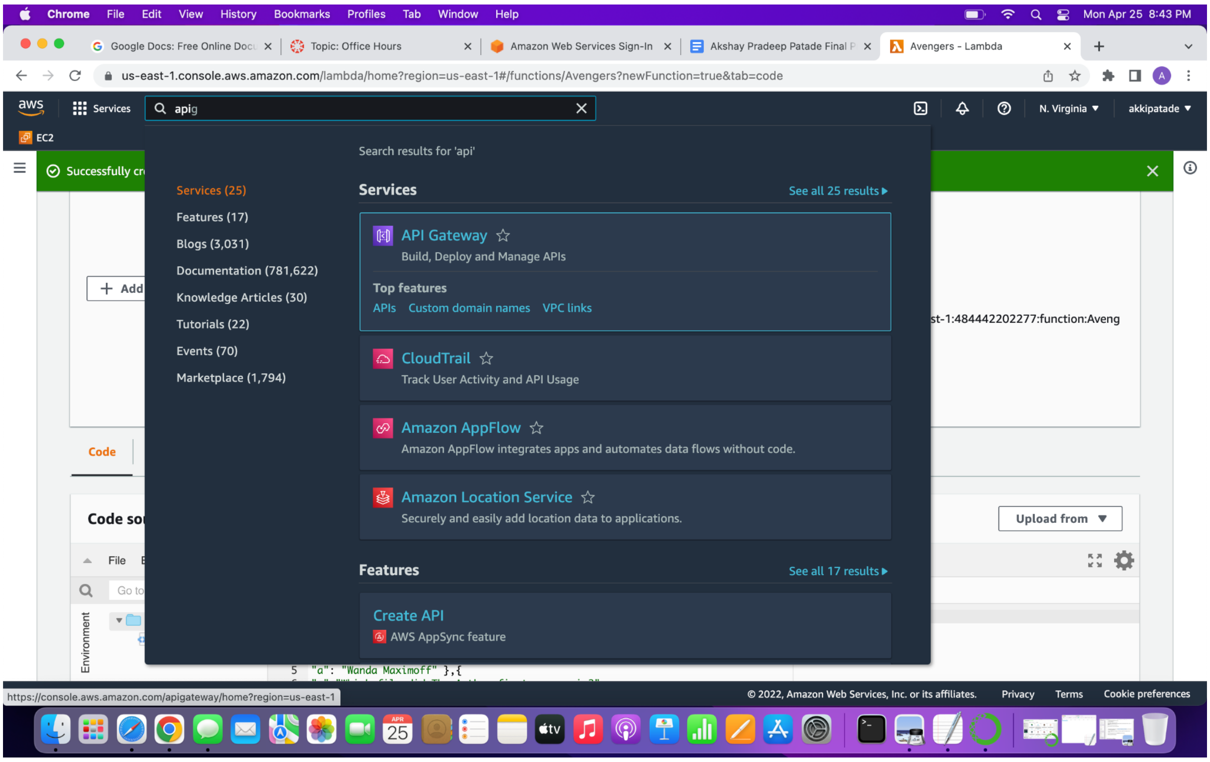


Once the code is pasted in the code source window, hit the deploy button .

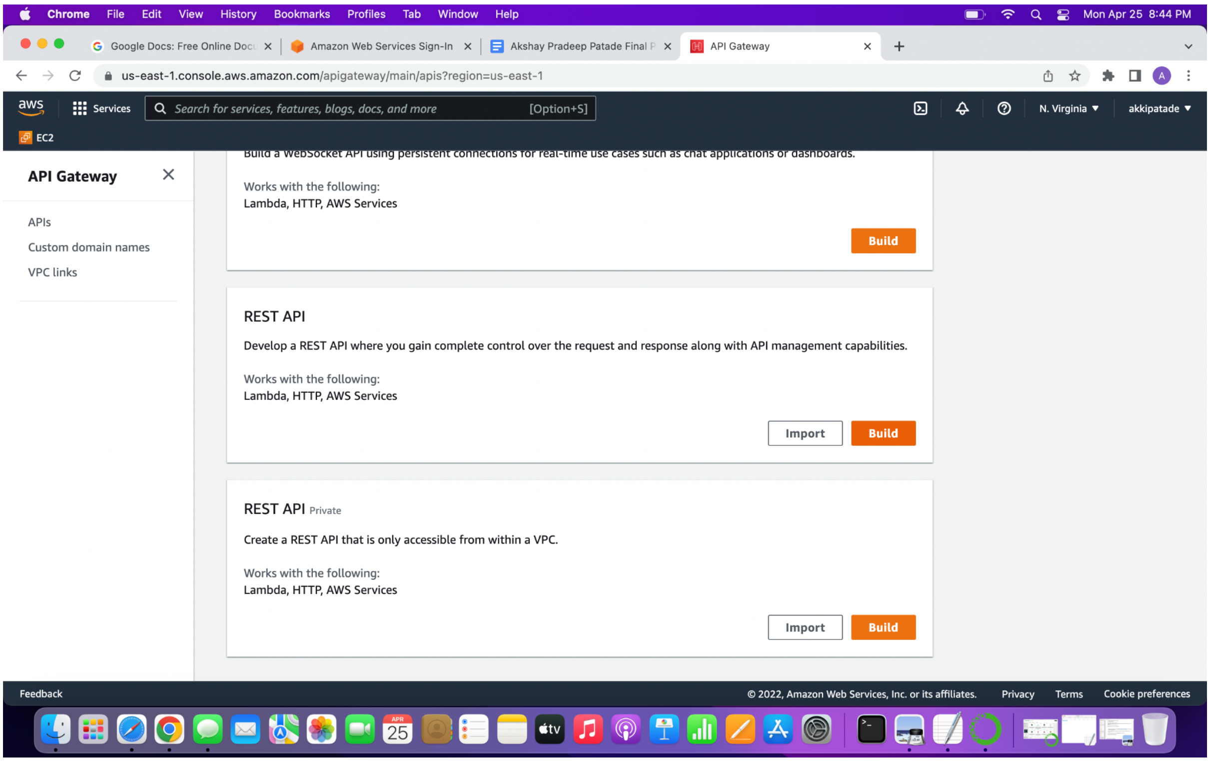


Now it's time to create an Amazon API Gateway.

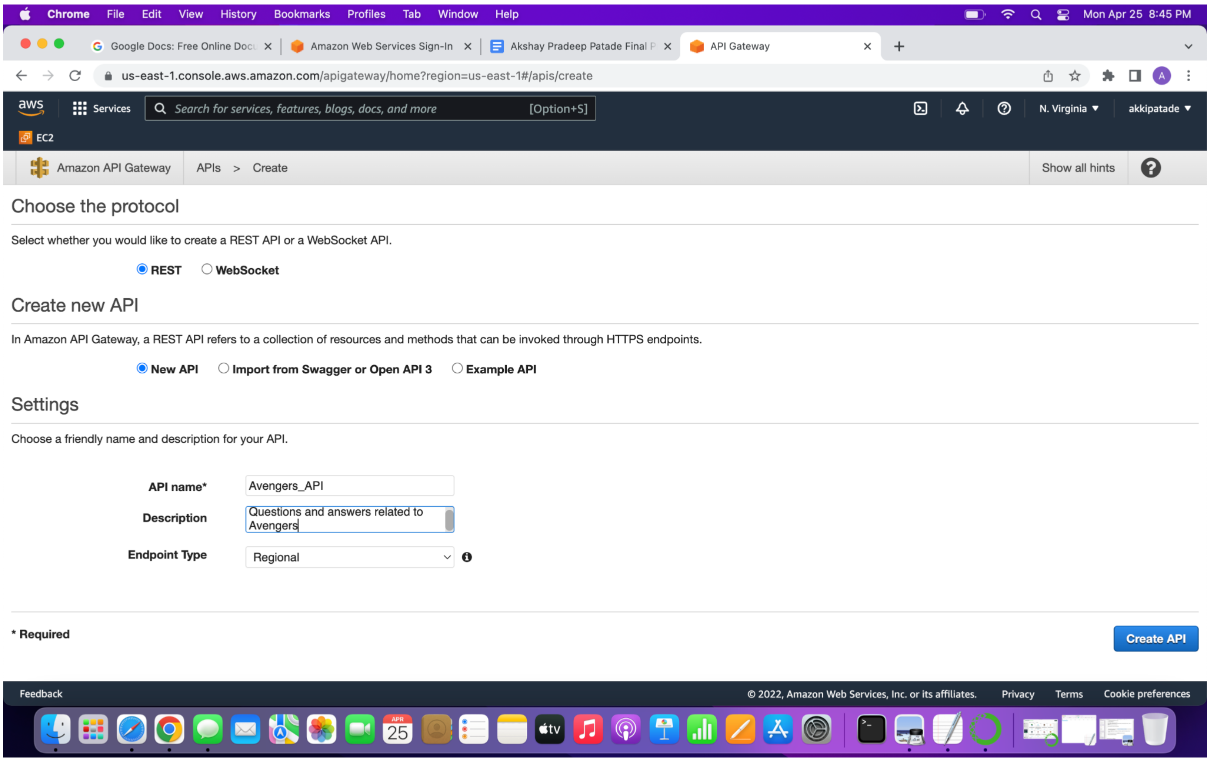
Search for API gateway in the AWS Management Console.



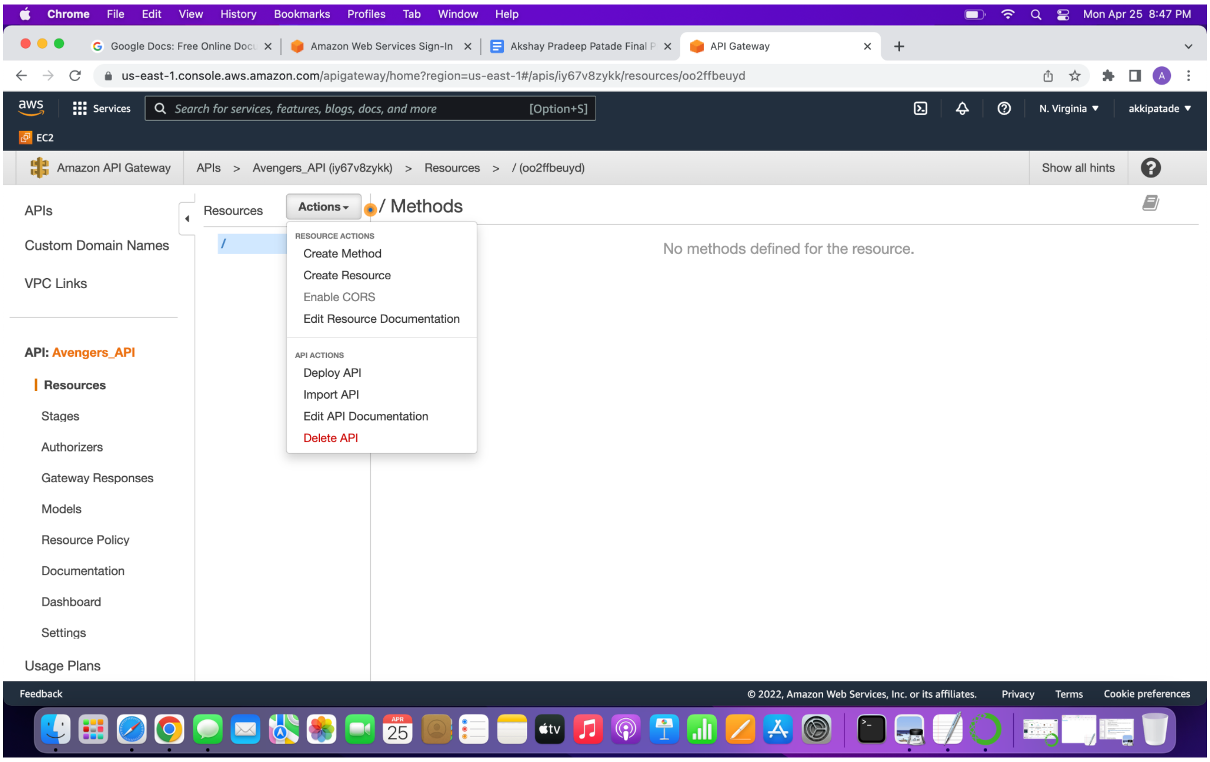
Here we will select REST API which is not private.



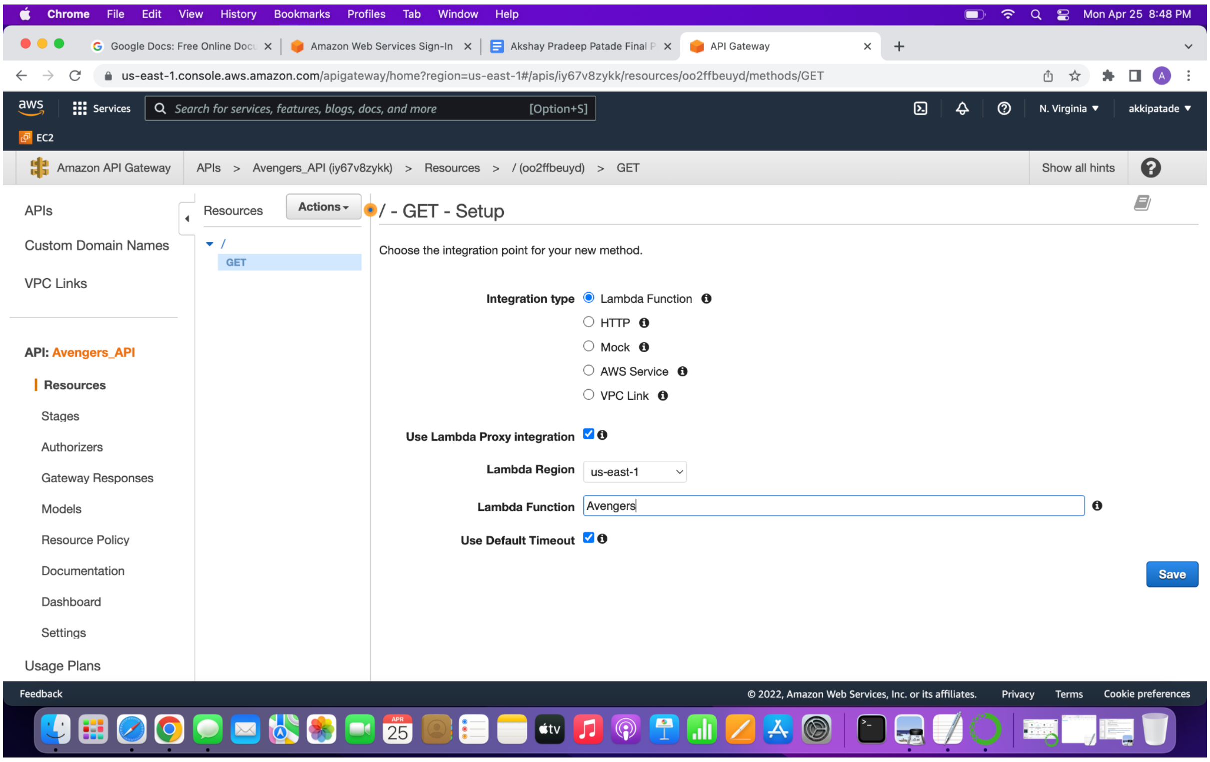
Fill in the below details and hit the Create API button.

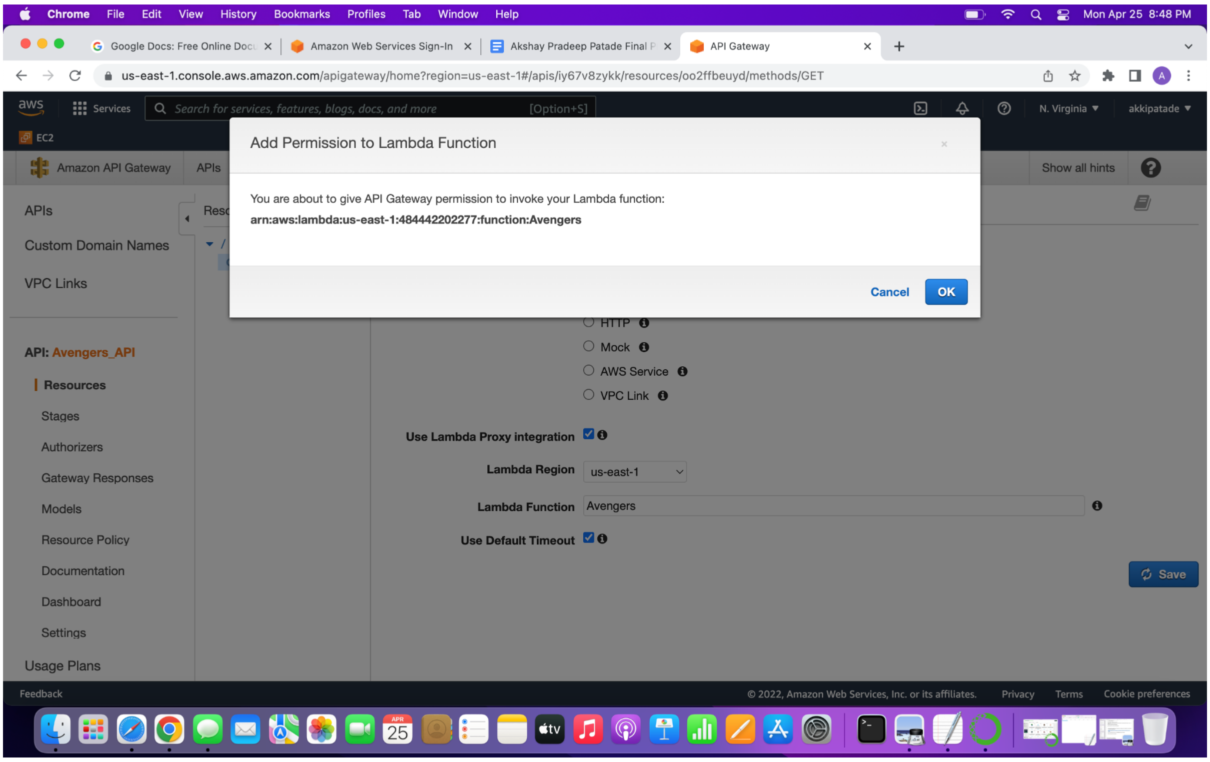


Next, we will be Creating a GET method in the API. Click on the Actions dropdown button and select create method.

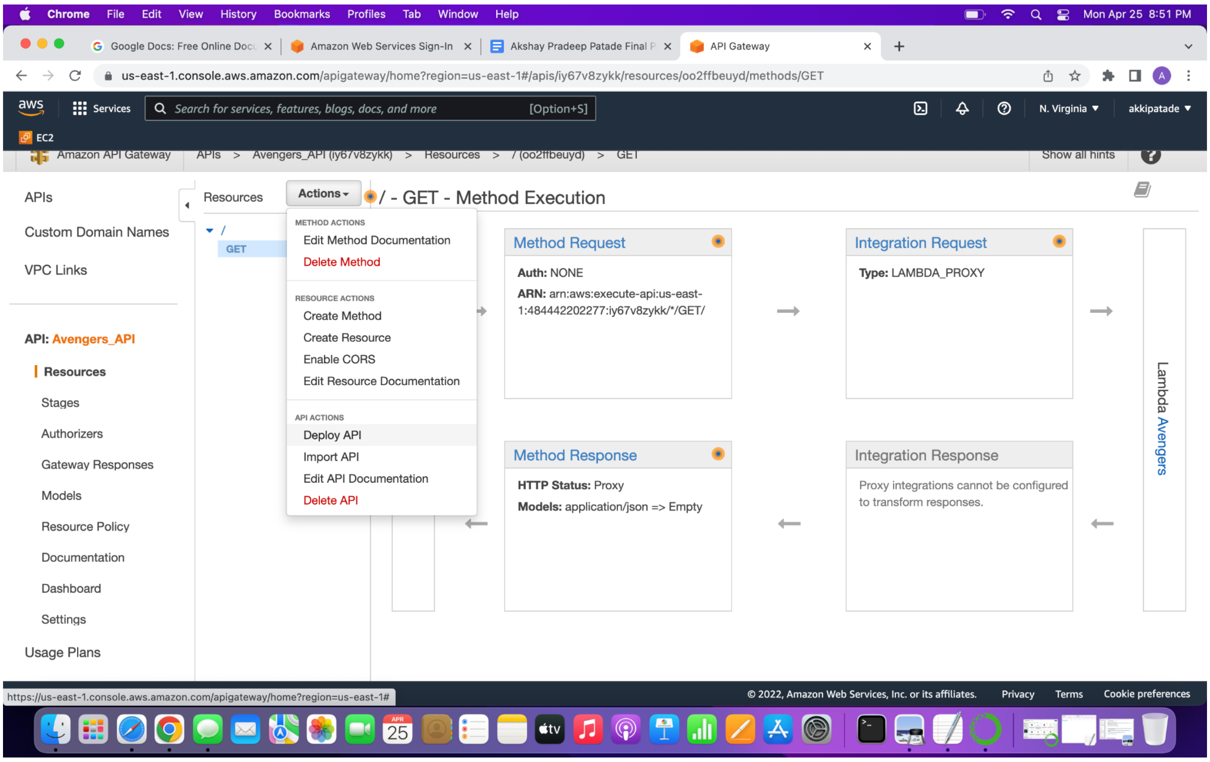


Fill in the below details and hit the Save button.

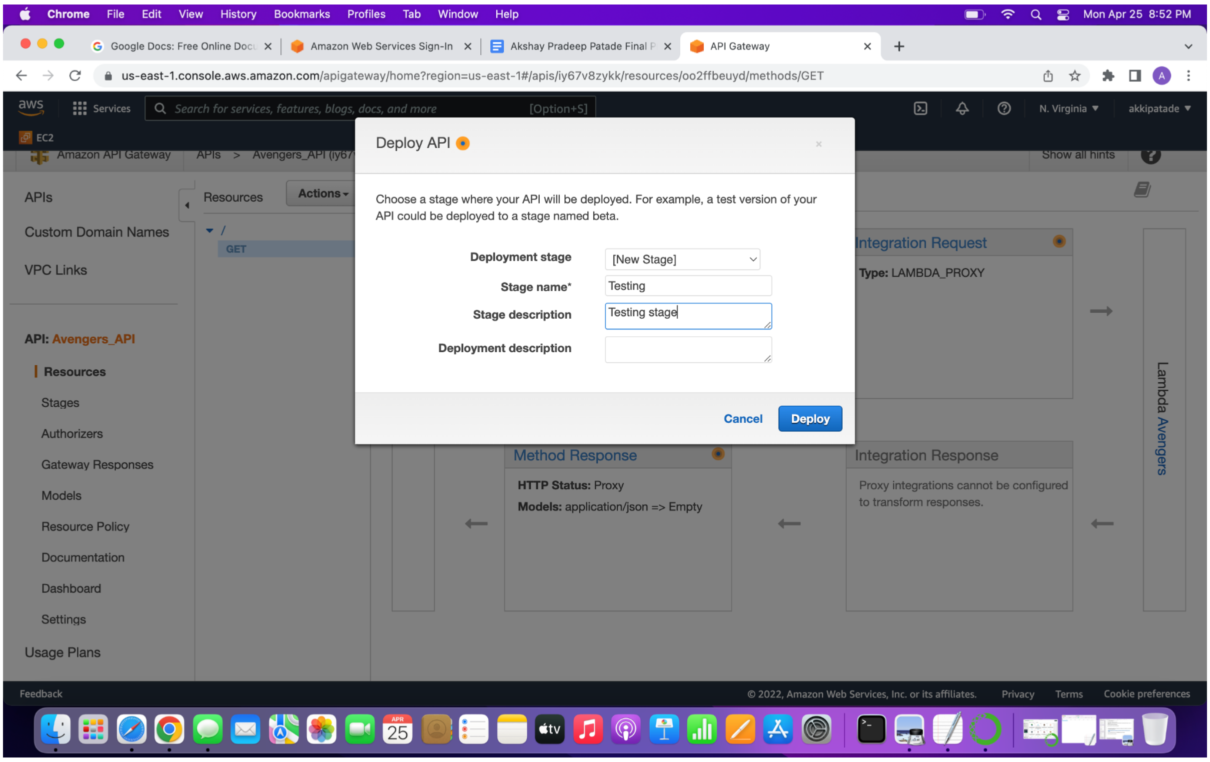




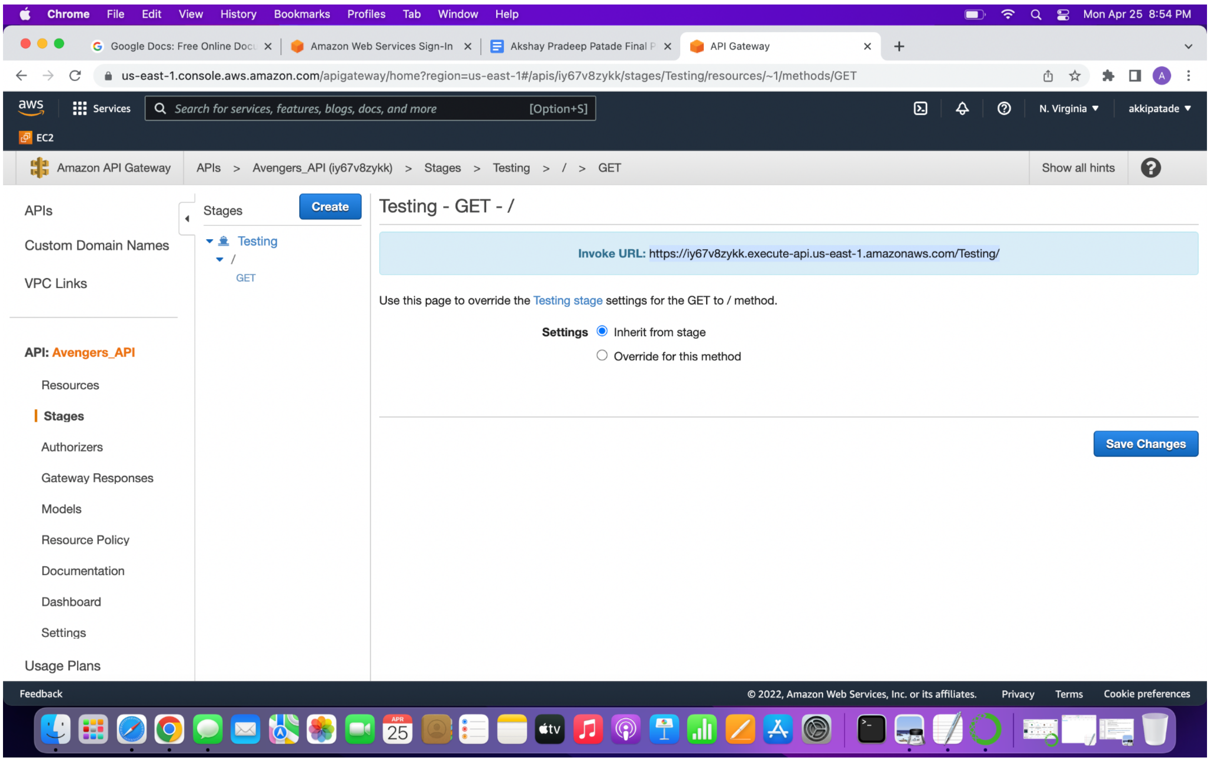
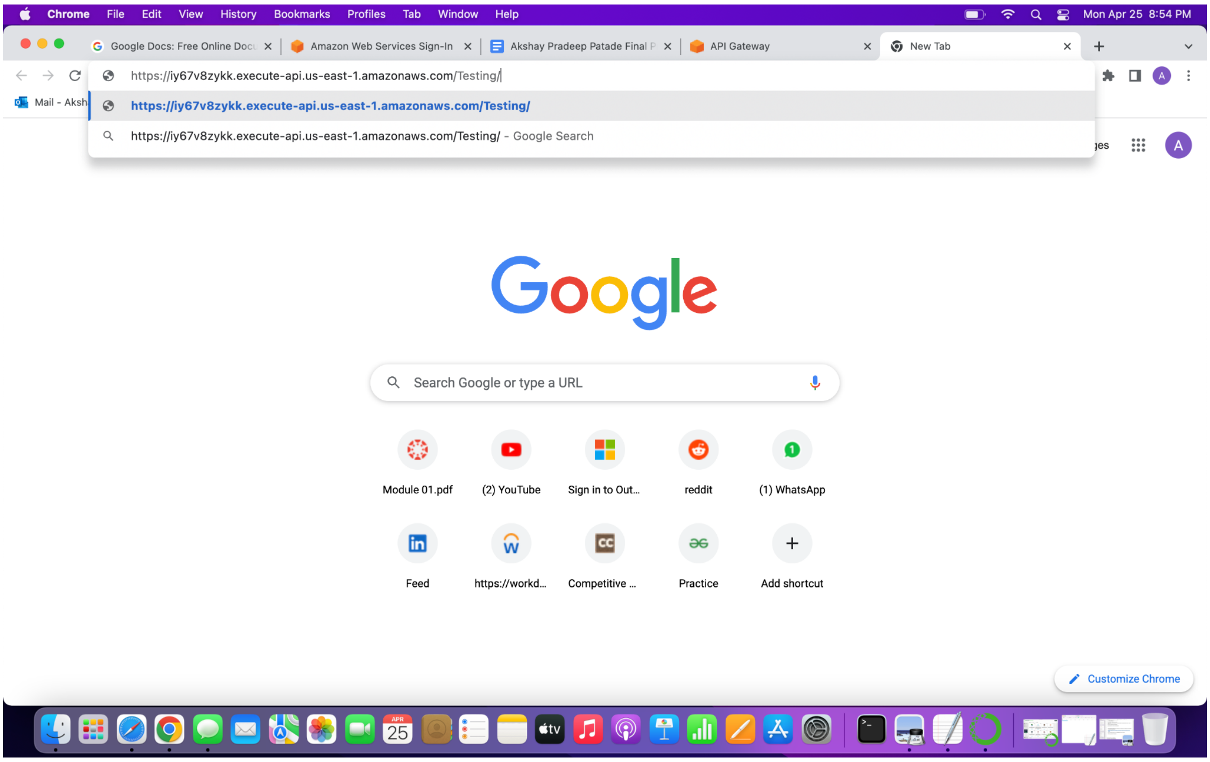
Once our API is created, it's time to deploy the API name. Click on the Actions drop-down button and select Deploy API.

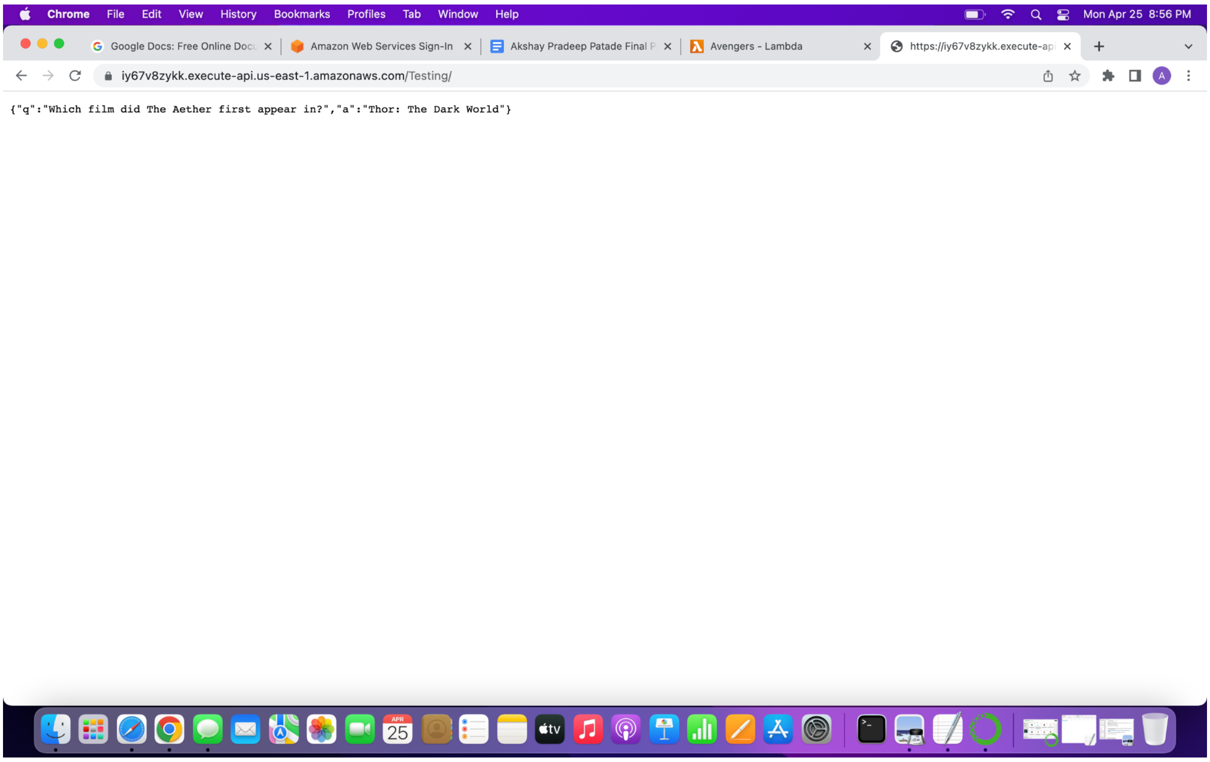


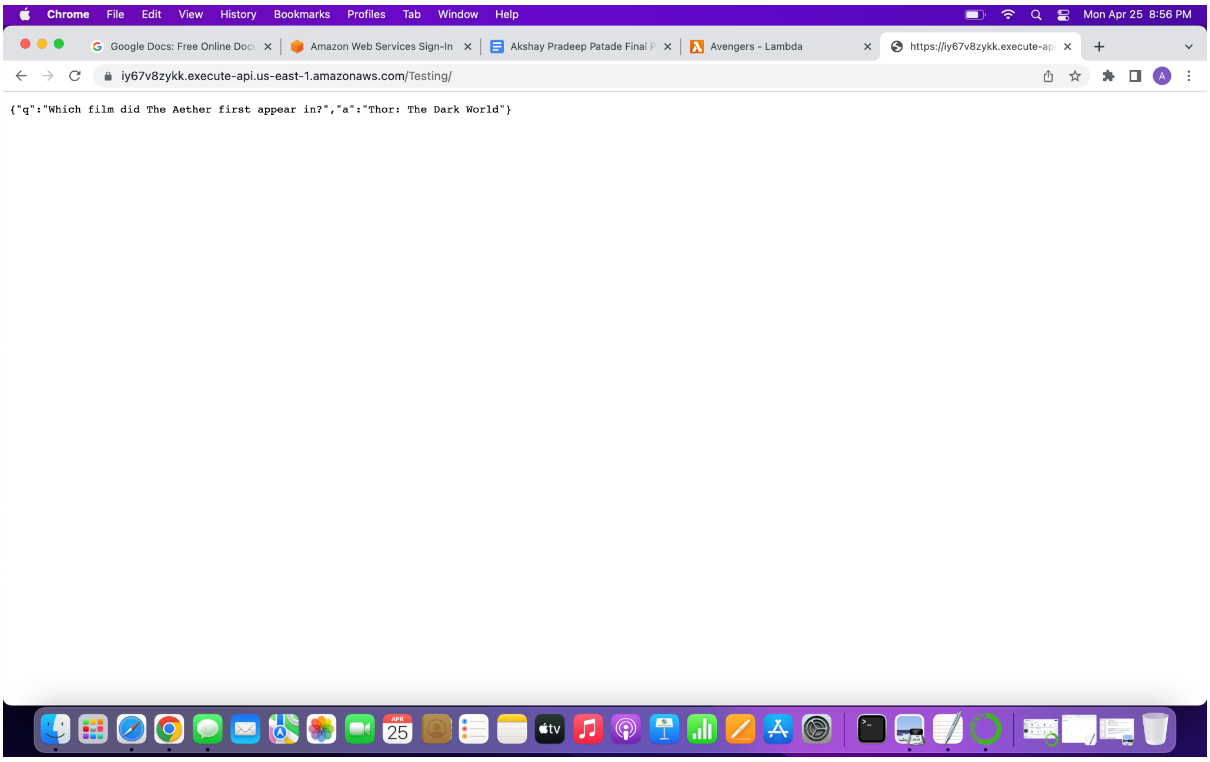
Fill in the below details and hit the deploy button.



Now, it’s time to test whether our API gateway is invoking the Lambda function or not. Copy the URL highlighted below and paste it in the web browser and hit enter.

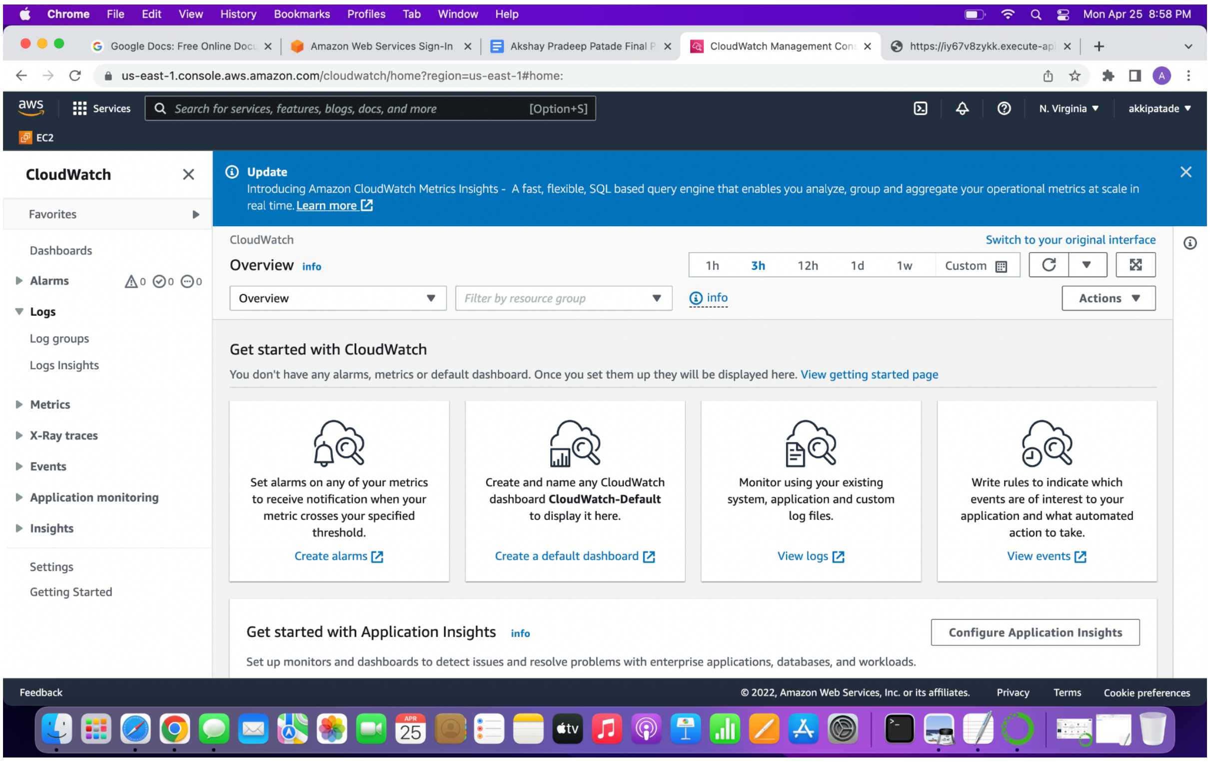

us-east-1.console.aws.amazon.com/apigateway/home?region=us-east-1#/apis/iy67v8zykk/stages/Testing/resources/~1/methods/GET
Amazon API Gateway > APIs > Avengers_API (iy67v8zykk) > Stages > Testing > / > GET
APIs
Custom Domain Names
VPC Links
API: Avengers_API
Resources
Stages
Authorizers
Gateway Responses
Models
Resource Policy
Documentation
Dashboard
Settings
Usage Plans
Stages
Create
Testing
/
GET
Testing - GET - /
Invoke URL: https://iy67v8zykk.execute-api.us-east-1.amazonaws.com/Testing/
Use this page to override the Testing stage settings for the GET to / method.
Settings
Inherit from stage
Override for this method
Save Changes

https://iy67v8zykk.execute-api.us-east-1.amazonaws.com/Testing/
https://iy67v8zykk.execute-api.us-east-1.amazonaws.com/Testing/
https://iy67v8zykk.execute-api.us-east-1.amazonaws.com/Testing/ - Google Search
Google
Search Google or type a URL



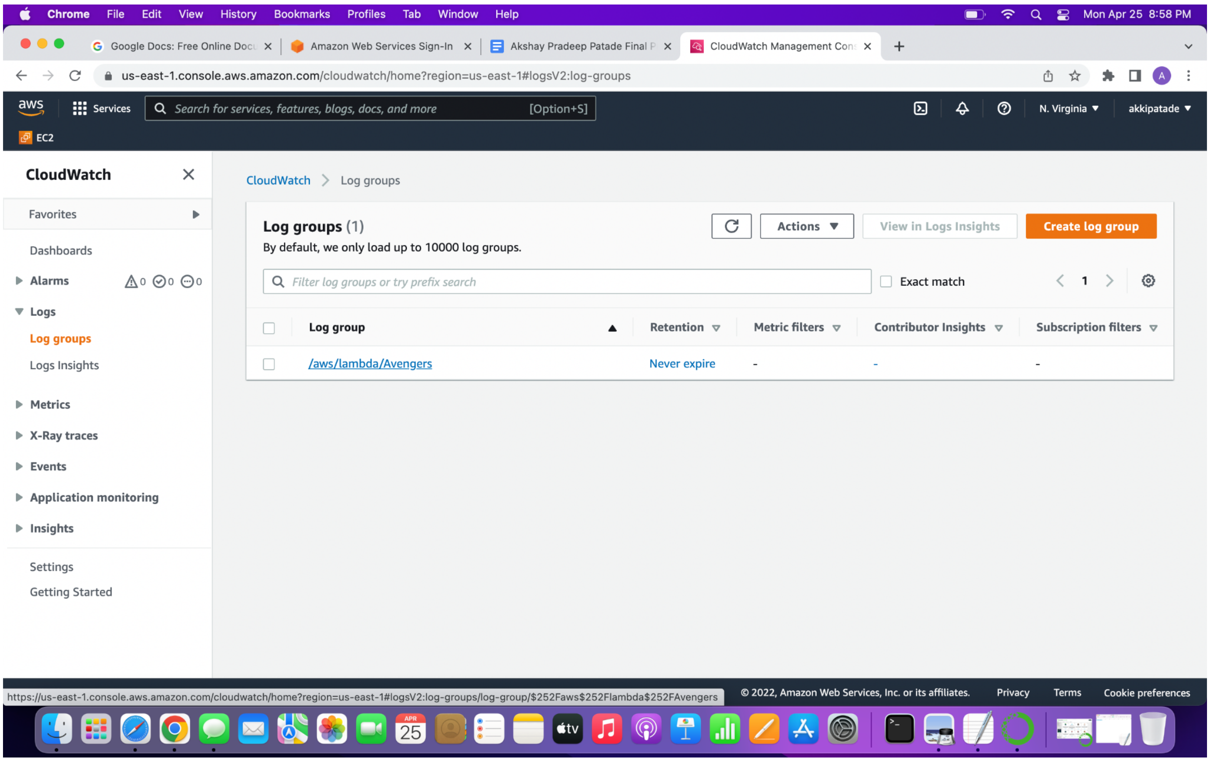


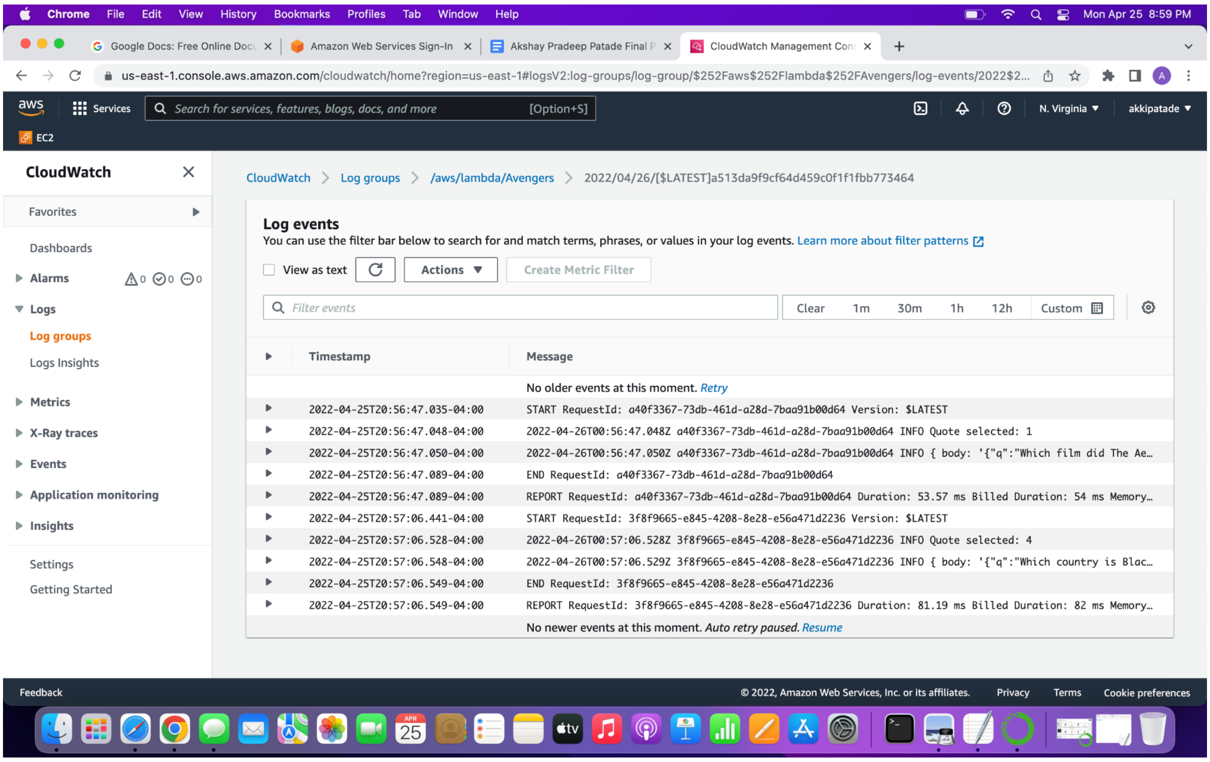
We are getting the question and answer in the window. Our code is successfully working.

Now go to Cloud watch and check the logs.



Click on log groups and select the /aws/lambda/Avengers





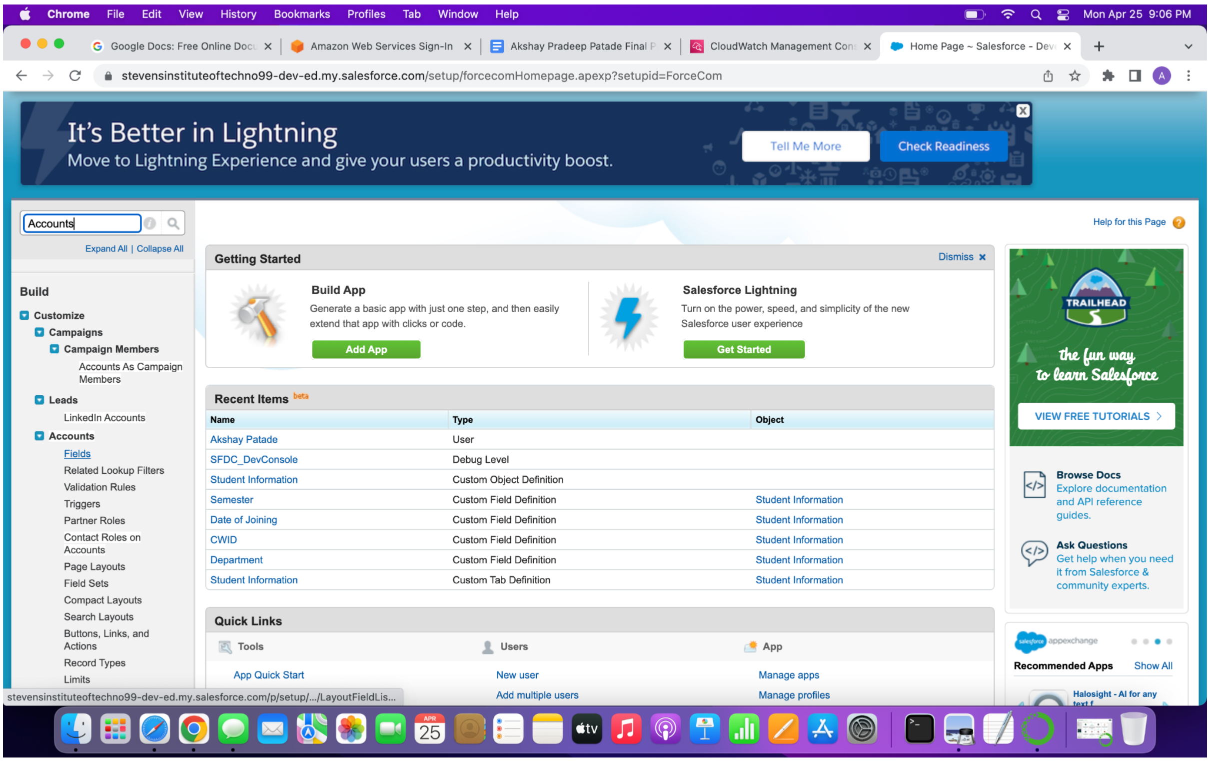
Conclusion:
We first create an AWS lambda function which we used to return the random question and answer to the user.

In order to get and send the response to the user, we have to create an API gateway which in this case we create Amazon API Gateway. This API gateway accepts the request from the user's browser (HTTP GET request) and directs this request to the AWS Lambda. The AWS lambda accepts this request and sends the random question and the answers in the JSON format to the API Gateway. FInally, the API Gateway sends the Response to the user's browser.

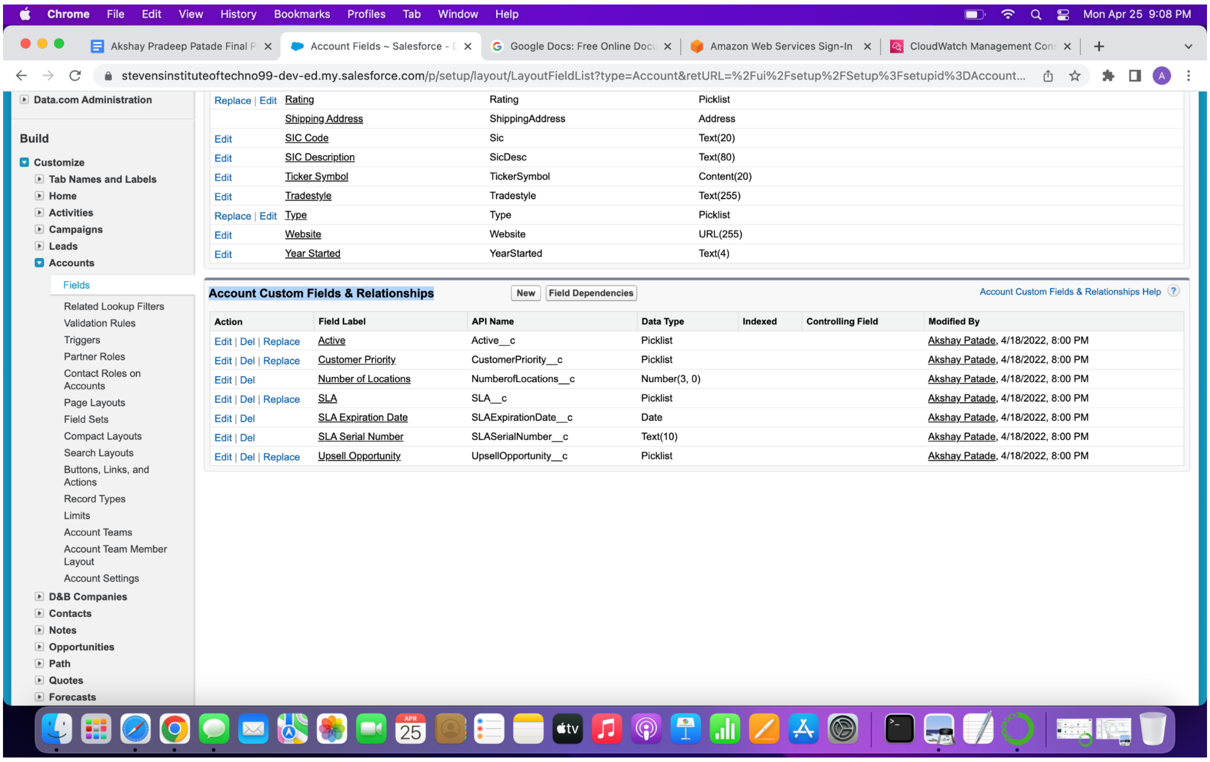
PART B: SALESFORCE

1. Creating Custom field on Accounts Object

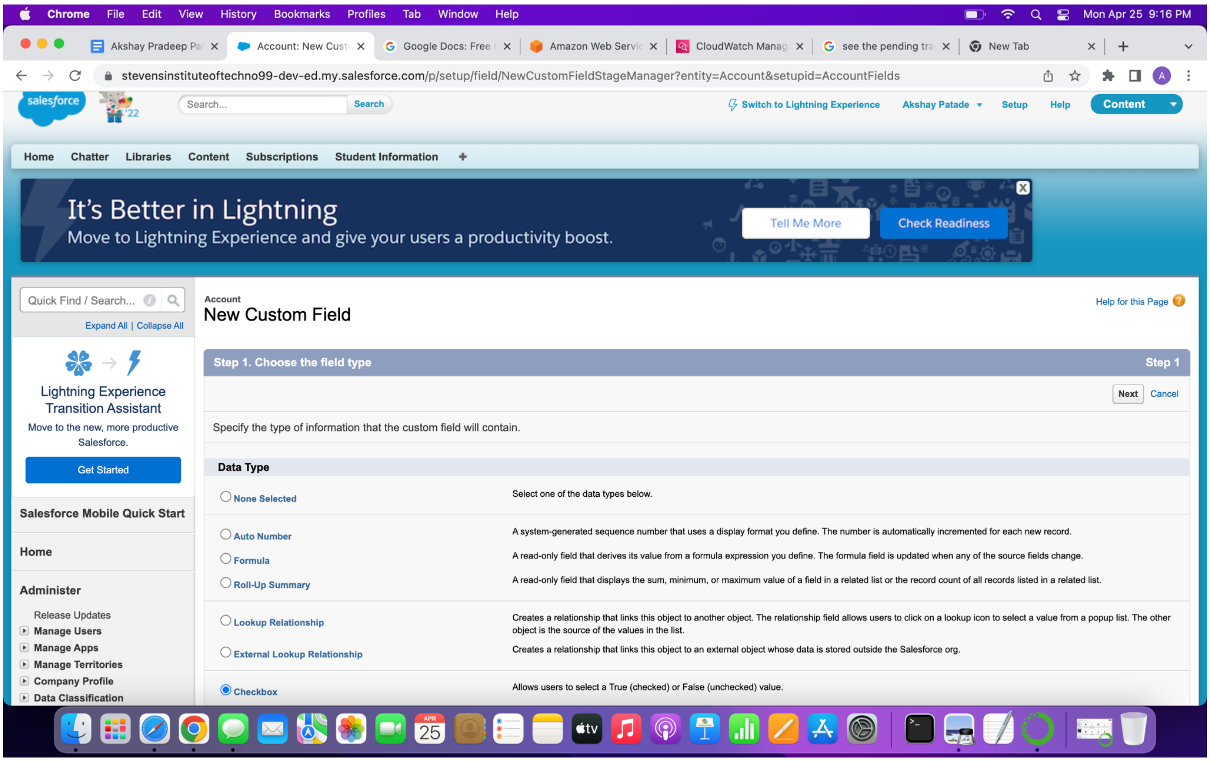
Search for the Accounts in the search bar and click on the fields button.



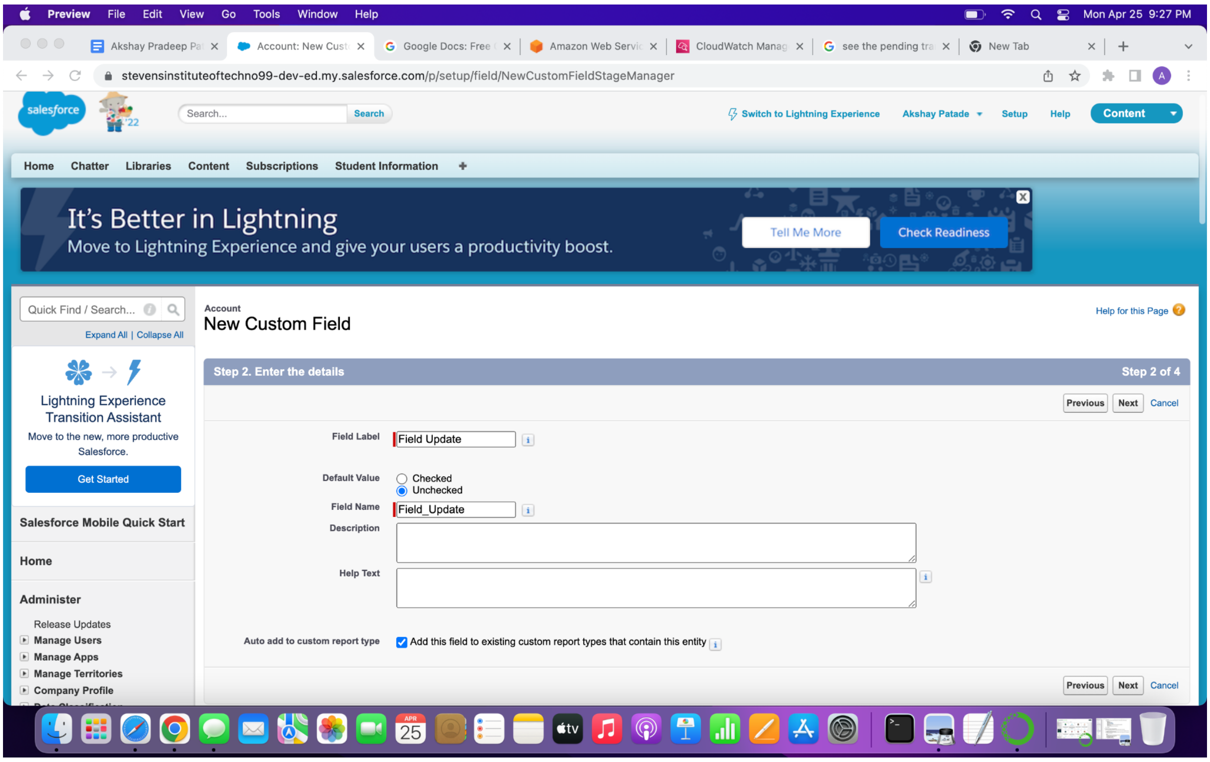
Scroll down below to Account Custom Fields & Relationships and click on the new button



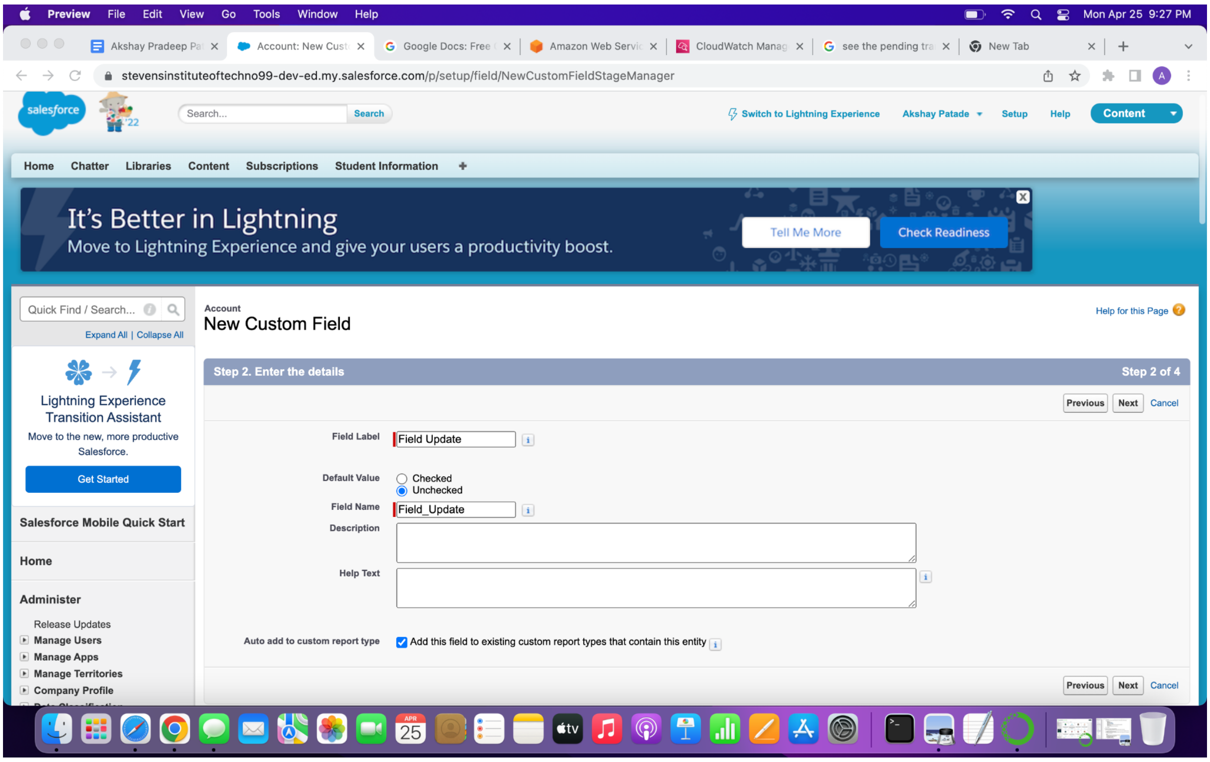
We will create a new account field now.



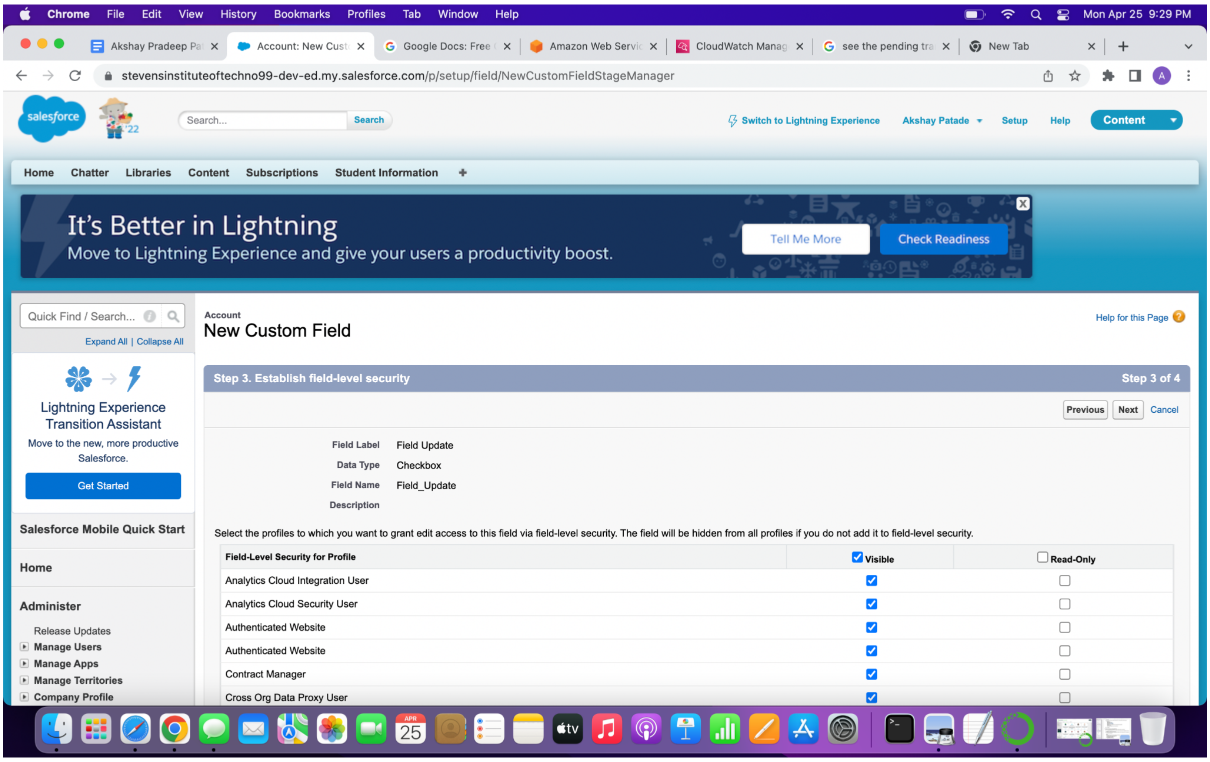
Fill in the below details.



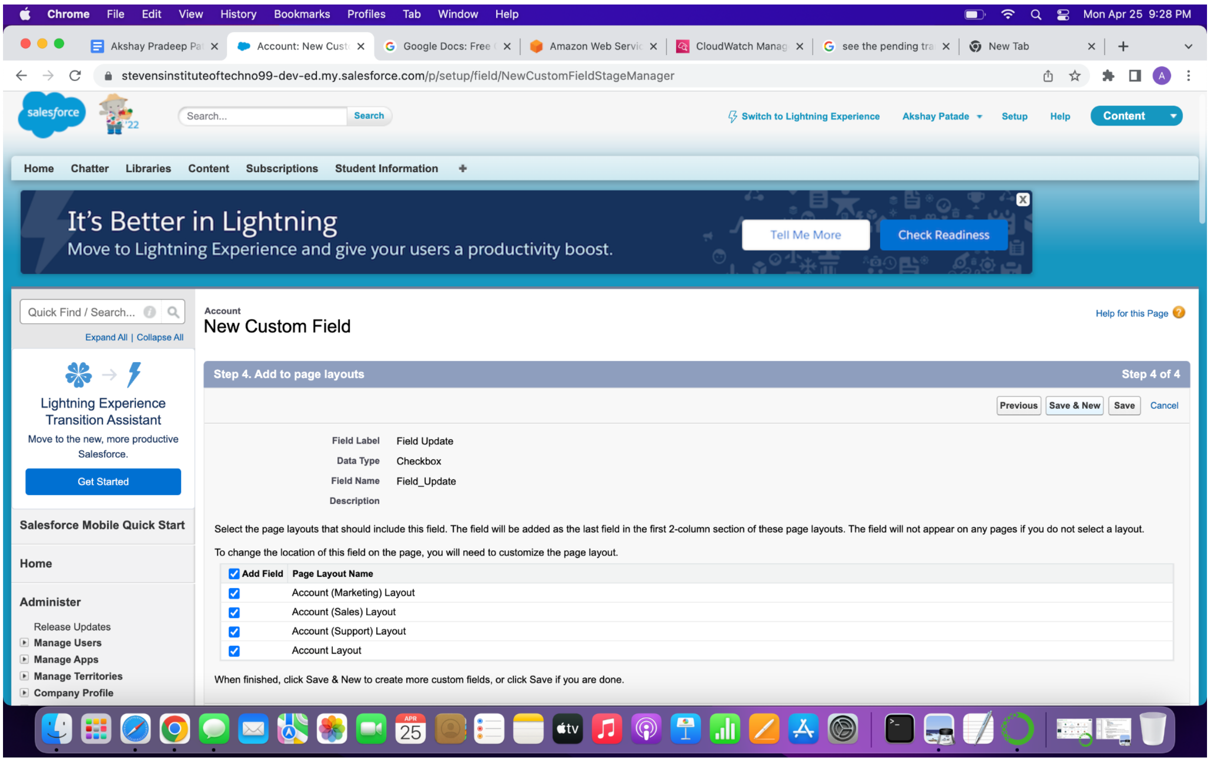
Click on the visible checkbox and click on next.



Click on next

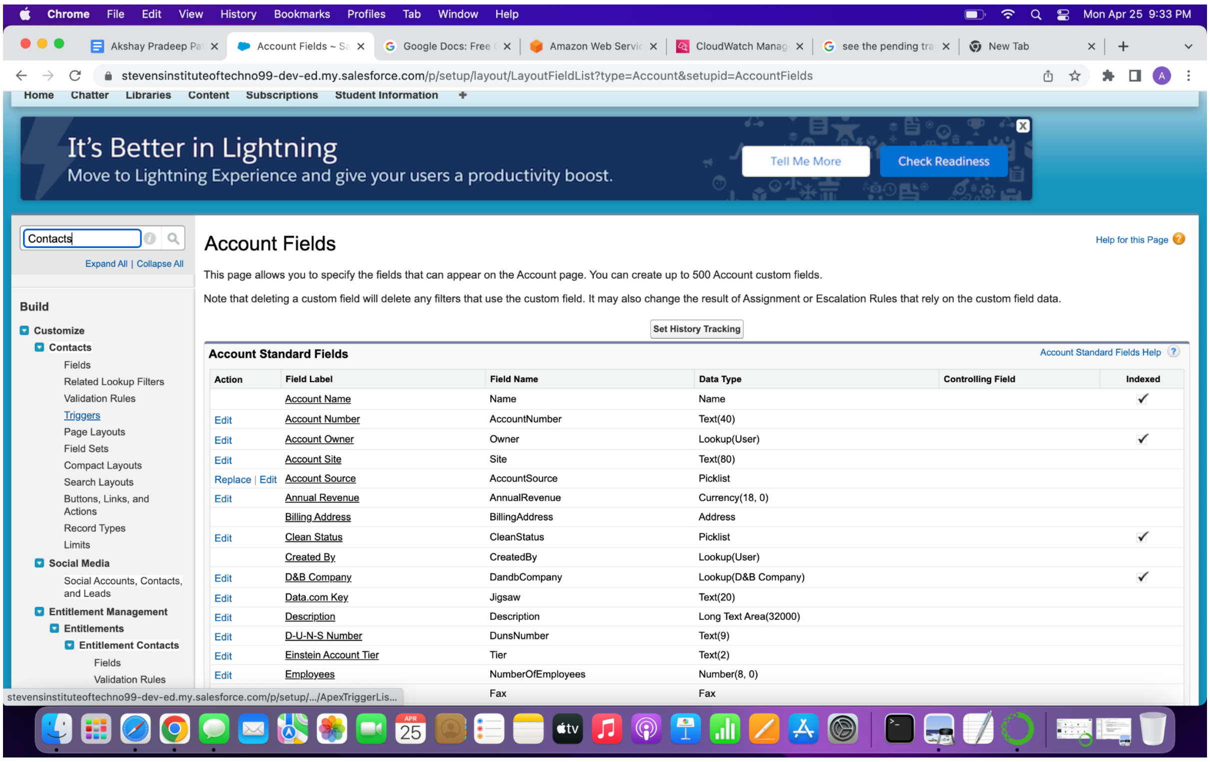


Click on the Save button.

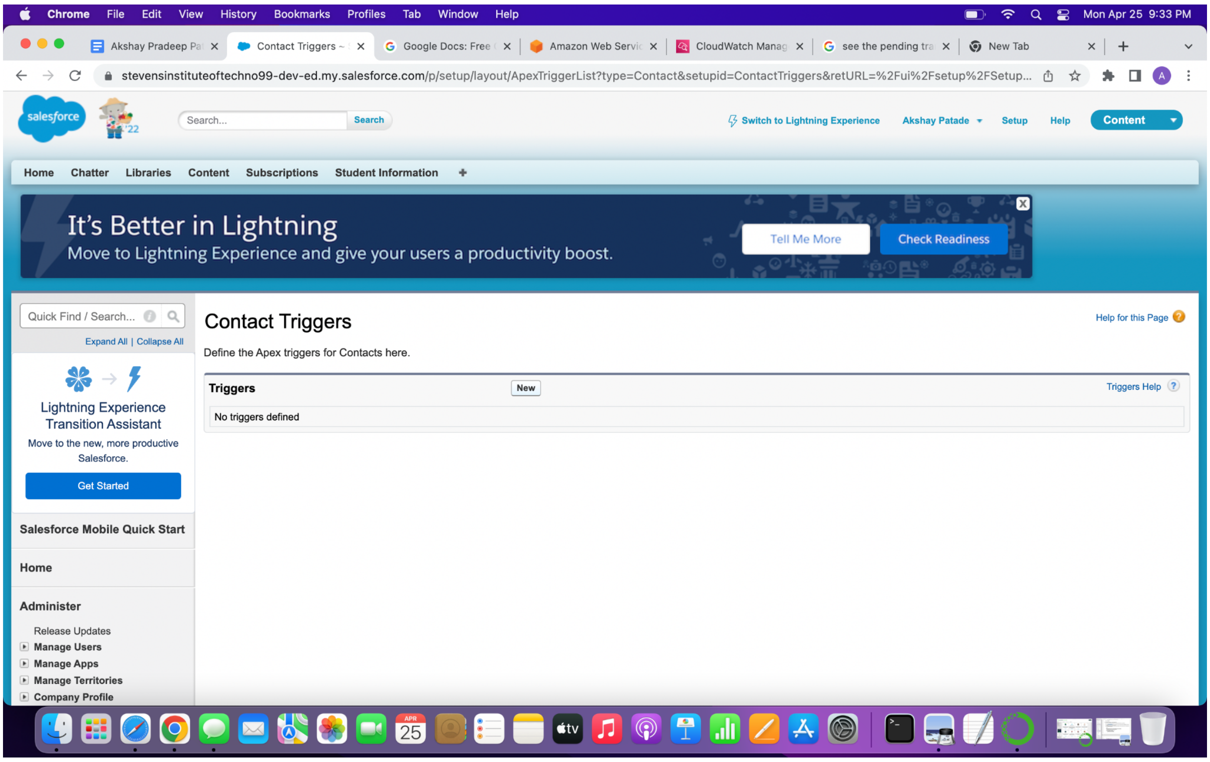


2. Creating Apex trigger on Contact Object

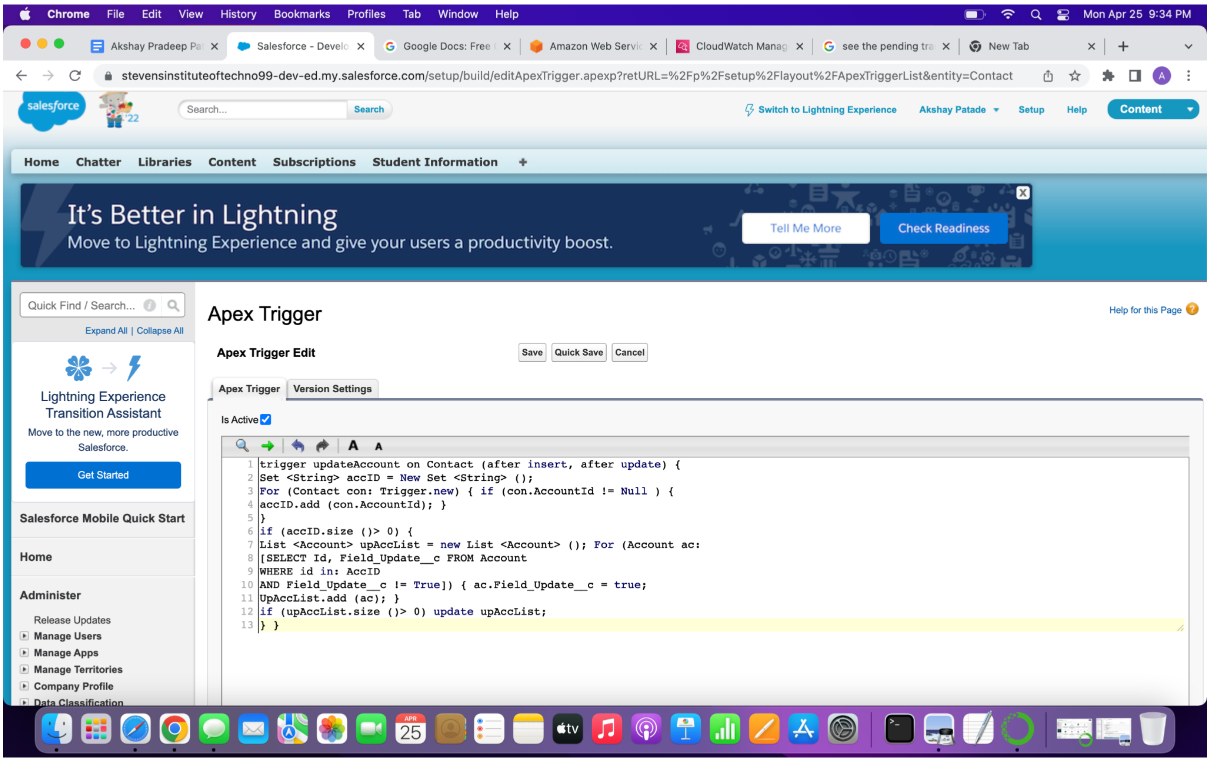
Search for contacts and click on Triggers



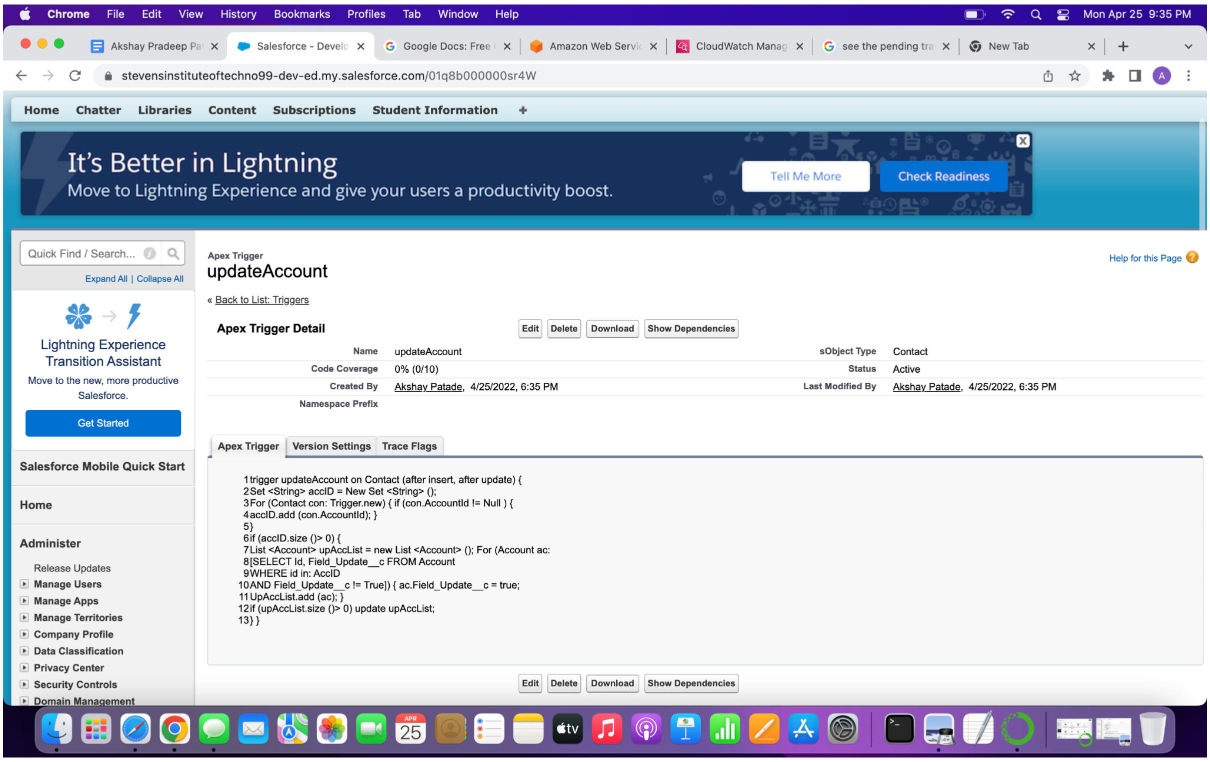
Click on the new button.



Paste the code in the source window.

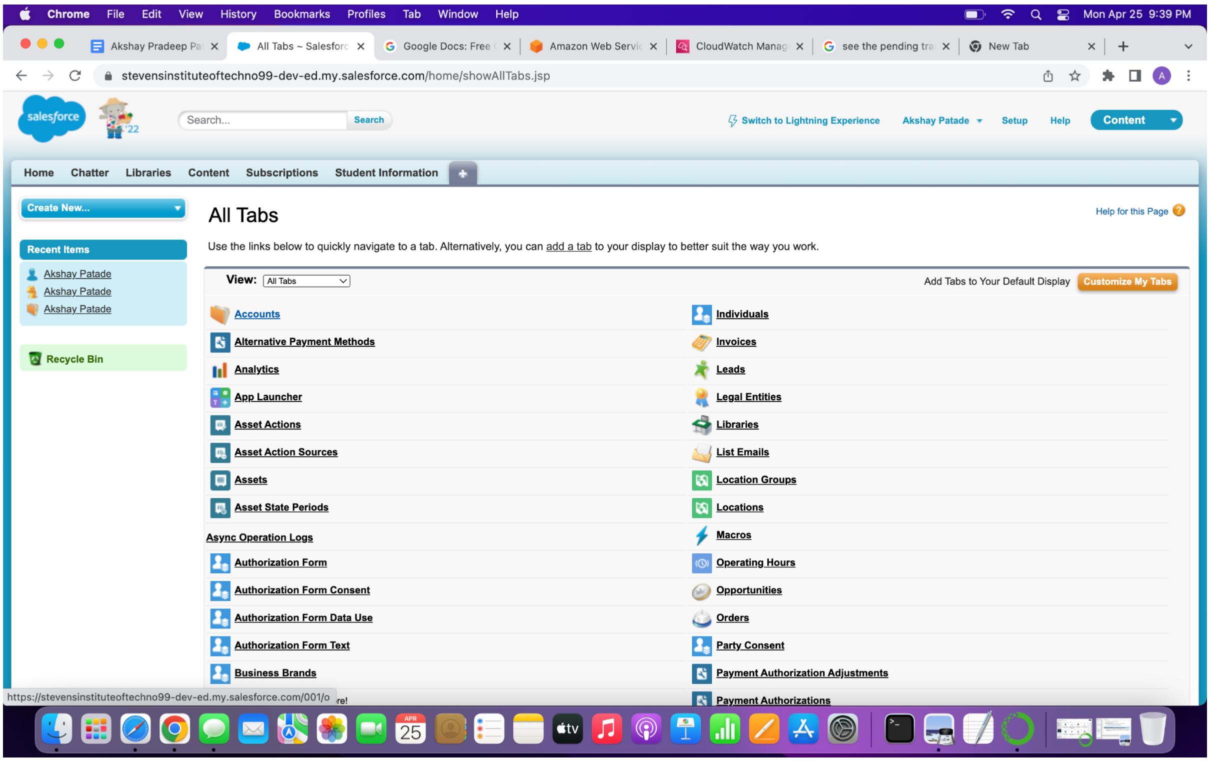


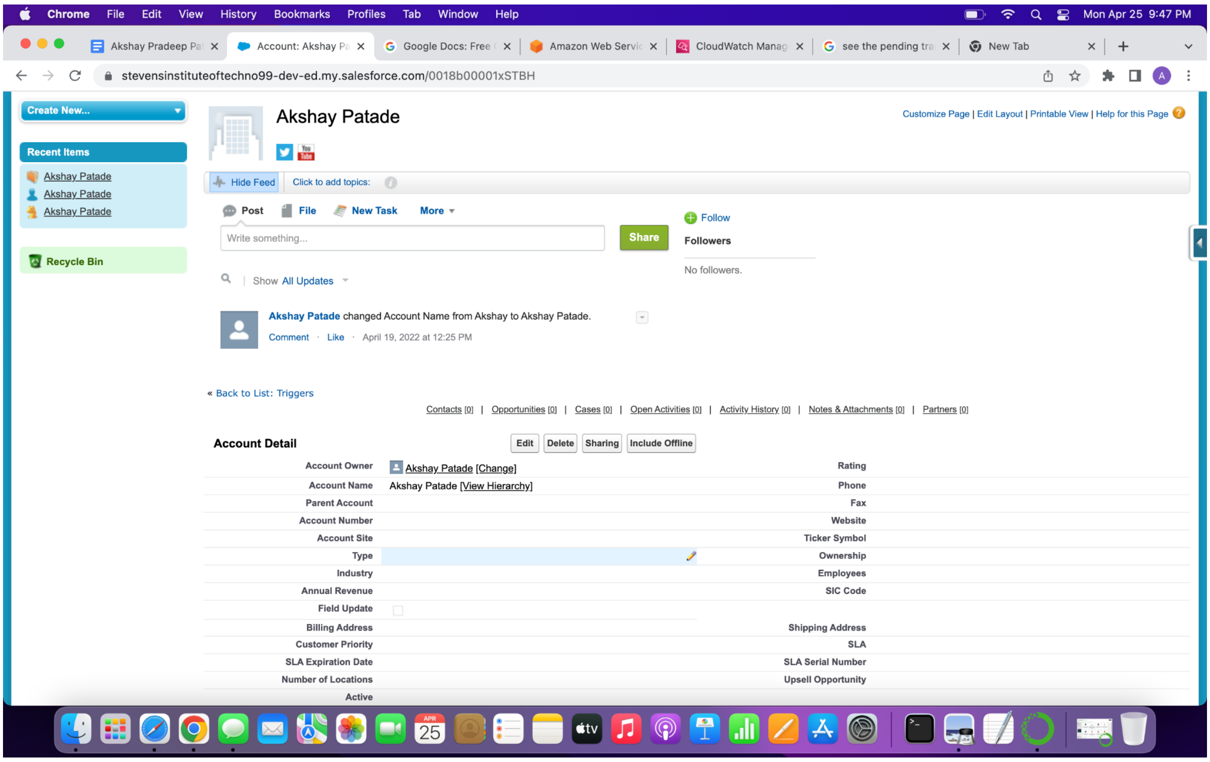
Click on the save button

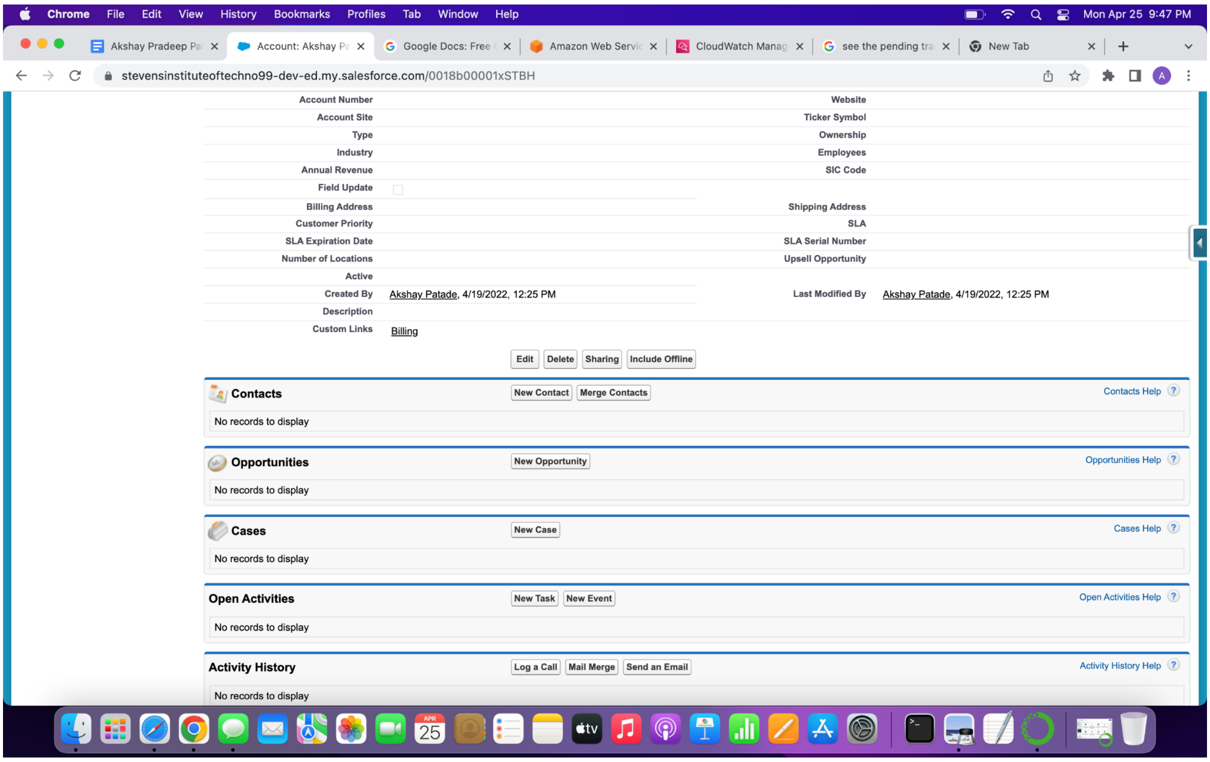


3. **Creating a Contact record**

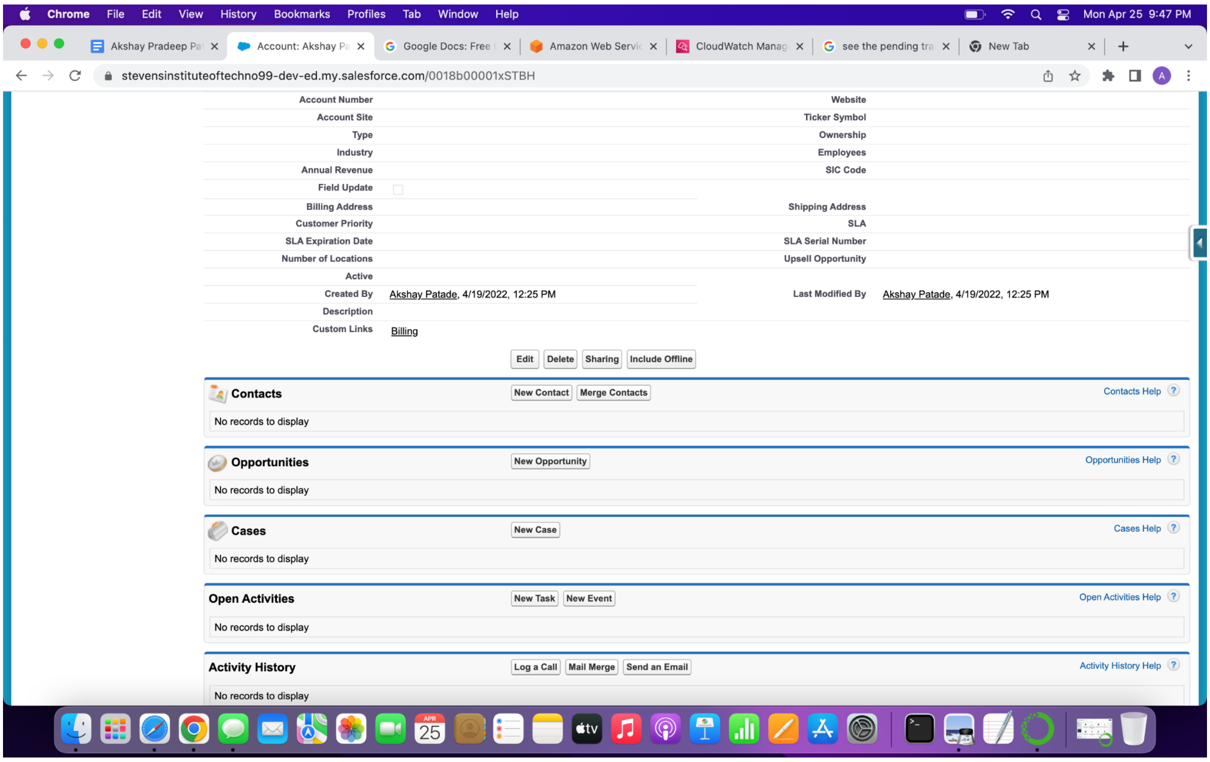
Hit the ‘+’ symbol and press Accounts.

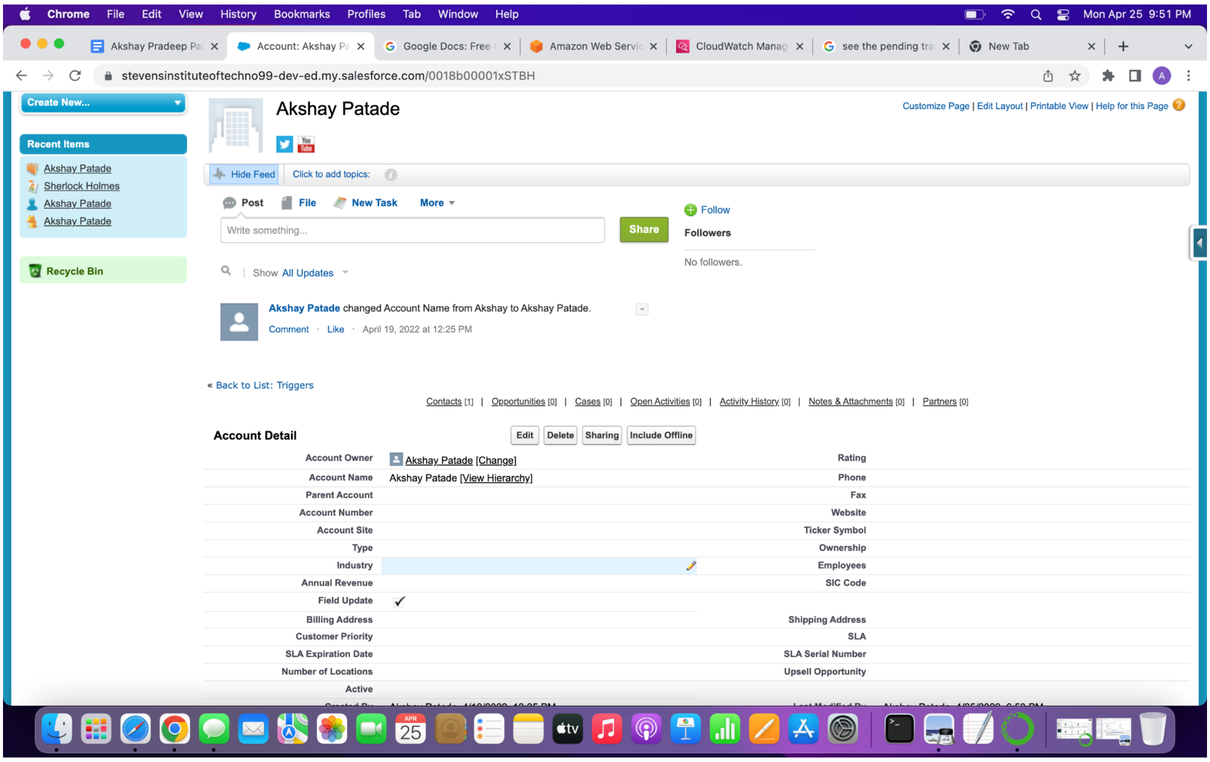

Chrome File Edit View History Bookmarks Profiles Tab Window Help
Mon Apr 25 9:39 PM
stevensinstituteoftechno99-dev-ed.my.salesforce.com/home/showAllTabs.jsp
Search
Switch to Lightning Experience
Akshay Patade
Setup
Help
Content
Home
Chatter
Libraries
Content
Subscriptions
Student Information
Create New...
Recent Items
Akshay Patade
Akshay Patade
Akshay Patade
Recycle Bin
All Tabs
Help for this Page
Use the links below to quickly navigate to a tab. Alternatively, you can add a tab to your display to better suit the way you work.
View: All Tabs
Add Tabs to Your Default Display
Customize My Tabs
Accounts
Alternative Payment Methods
Analytics
App Launcher
Asset Actions
Asset Action Sources
Assets
Asset State Periods
Async Operation Logs
Authorization Form
Authorization Form Consent
Authorization Form Data Use
Authorization Form Text
Business Brands
Individuals
Invoices
Leads
Legal Entities
Libraries
List Emails
Location Groups
Locations
Macros
Operating Hours
Opportunities
Orders
Party Consent
Payment Authorization Adjustments
Payment Authorizations
https://stevensinstituteoftechno99-dev-ed.my.salesforce.com/001/o

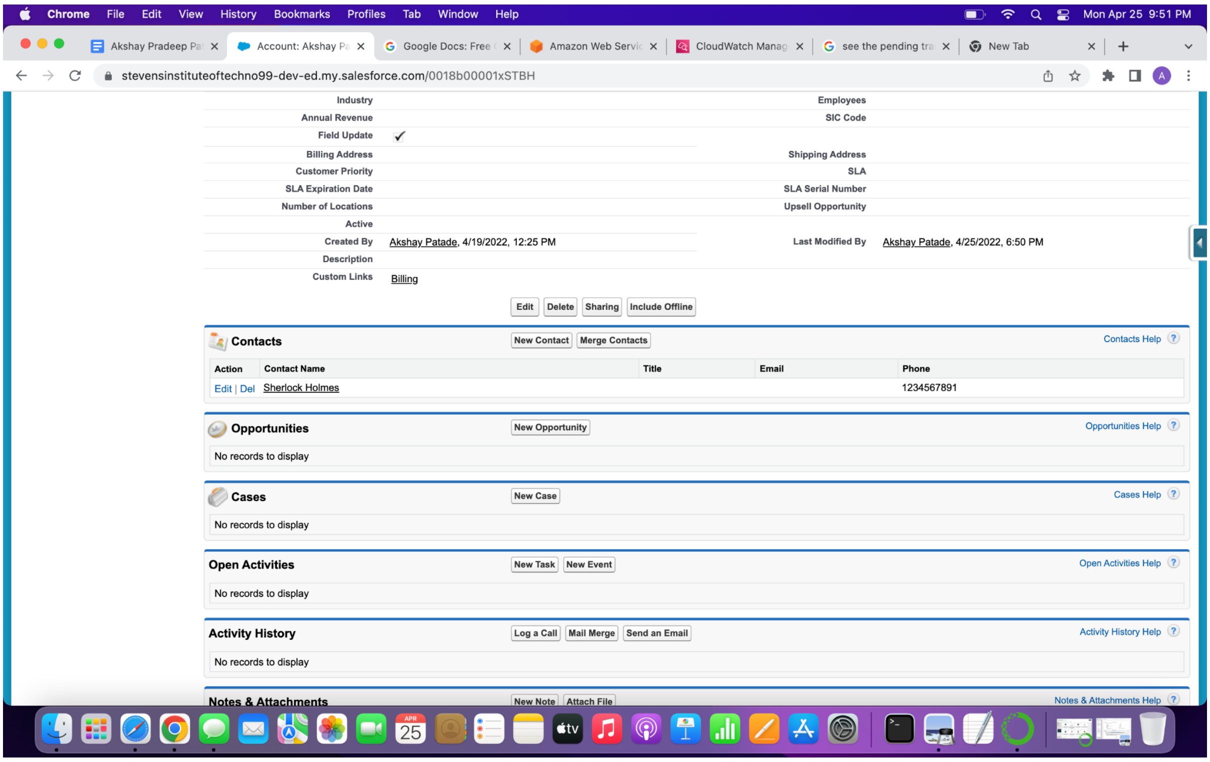

Chrome File Edit View History Bookmarks Profiles Tab Window Help
Mon Apr 25 9:47 PM
stevensinstituteoftechno99-dev-ed.my.salesforce.com/0018b00001xSTBH
Create New...
Recent Items
Akshay Patade
Akshay Patade
Akshay Patade
Recycle Bin
Akshay Patade
Customize Page | Edit Layout | Printable View | Help for this Page
Hide Feed
Click to add topics:
Post
File
New Task
More
Write something...
Share
Follow
Followers
No followers.
Show All Updates
Akshay Patade changed Account Name from Akshay to Akshay Patade.
Comment · Like · April 19, 2022 at 12:25 PM
« Back to List: Triggers
Contacts [0] | Opportunities [0] | Cases [0] | Open Activities [0] | Activity History [0] | Notes & Attachments [0] | Partners [0]
Account Detail
Edit
Delete
Sharing
Include Offline
Account Owner
Akshay Patade [Change]
Account Name
Akshay Patade [View Hierarchy]
Parent Account
Account Number
Account Site
Type
Industry
Annual Revenue
Field Update
Billing Address
Customer Priority
SLA Expiration Date
Number of Locations
Active
Rating
Phone
Fax
Website
Ticker Symbol
Ownership
Employees
SIC Code
Shipping Address
SLA
SLA Serial Number
Upsell Opportunity



Now we will click on new contact button and update the your contact information and then we will hit the save button.




Chrome File Edit View History Bookmarks Profiles Tab Window Help
Mon Apr 25 9:51 PM
Akshay Pradeep Pa
Account: Akshay Pa
Google Docs: Free
Amazon Web Servic
CloudWatch Manag
see the pending tra
New Tab
stevensinstituteoftechno99-dev-ed.my.salesforce.com/0018b00001xSTBH
Create New...
Recent Items
Akshay Patade
Sherlock Holmes
Akshay Patade
Akshay Patade
Recycle Bin
Akshay Patade
Customize Page | Edit Layout | Printable View | Help for this Page
Hide Feed
Click to add topics:
Post
File
New Task
More
Write something...
Share
Follow
Followers
No followers.
Show All Updates
Akshay Patade changed Account Name from Akshay to Akshay Patade.
Comment · Like · April 19, 2022 at 12:25 PM
« Back to List: Triggers
Contacts [1] | Opportunities [0] | Cases [0] | Open Activities [0] | Activity History [0] | Notes & Attachments [0] | Partners [0]
Account Detail
Edit
Delete
Sharing
Include Offline
Account Owner
Akshay Patade [Change]
Rating
Account Name
Akshay Patade [View Hierarchy]
Phone
Parent Account
Fax
Account Number
Website
Account Site
Ticker Symbol
Type
Ownership
Industry
Employees
Annual Revenue
SIC Code
Field Update
Billing Address
Shipping Address
Customer Priority
SLA
SLA Expiration Date
SLA Serial Number
Number of Locations
Upsell Opportunity
Active


Chrome File Edit View History Bookmarks Profiles Tab Window Help
Mon Apr 25 9:51 PM
stevensinstituteoftechno99-dev-ed.my.salesforce.com/0018b00001xSTBH
Industry
Employees
Annual Revenue
SIC Code
Field Update
Billing Address
Shipping Address
Customer Priority
SLA
SLA Expiration Date
SLA Serial Number
Number of Locations
Upsell Opportunity
Active
Created By
Akshay Patade, 4/19/2022, 12:25 PM
Last Modified By
Akshay Patade, 4/25/2022, 6:50 PM
Description
Custom Links
Billing
Edit
Delete
Sharing
Include Offline
Contacts
New Contact
Merge Contacts
Contacts Help
Action
Contact Name
Title
Email
Phone
Edit | Del
Sherlock Holmes
1234567891
Opportunities
New Opportunity
Opportunities Help
No records to display
Cases
New Case
Cases Help
No records to display
Open Activities
New Task
New Event
Open Activities Help
No records to display
Activity History
Log a Call
Mail Merge
Send an Email
Activity History Help
No records to display
Notes & Attachments
New Note
Attach File
Notes & Attachments Help