

# InternHub

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## PROBLEM

Getting an internship is vital for computer science students to develop their skills and be well prepared for the workforce. Our project idea is to leverage our knowledge of AWS to create a job board catered to computer science students, where they will be able to easily find internships.

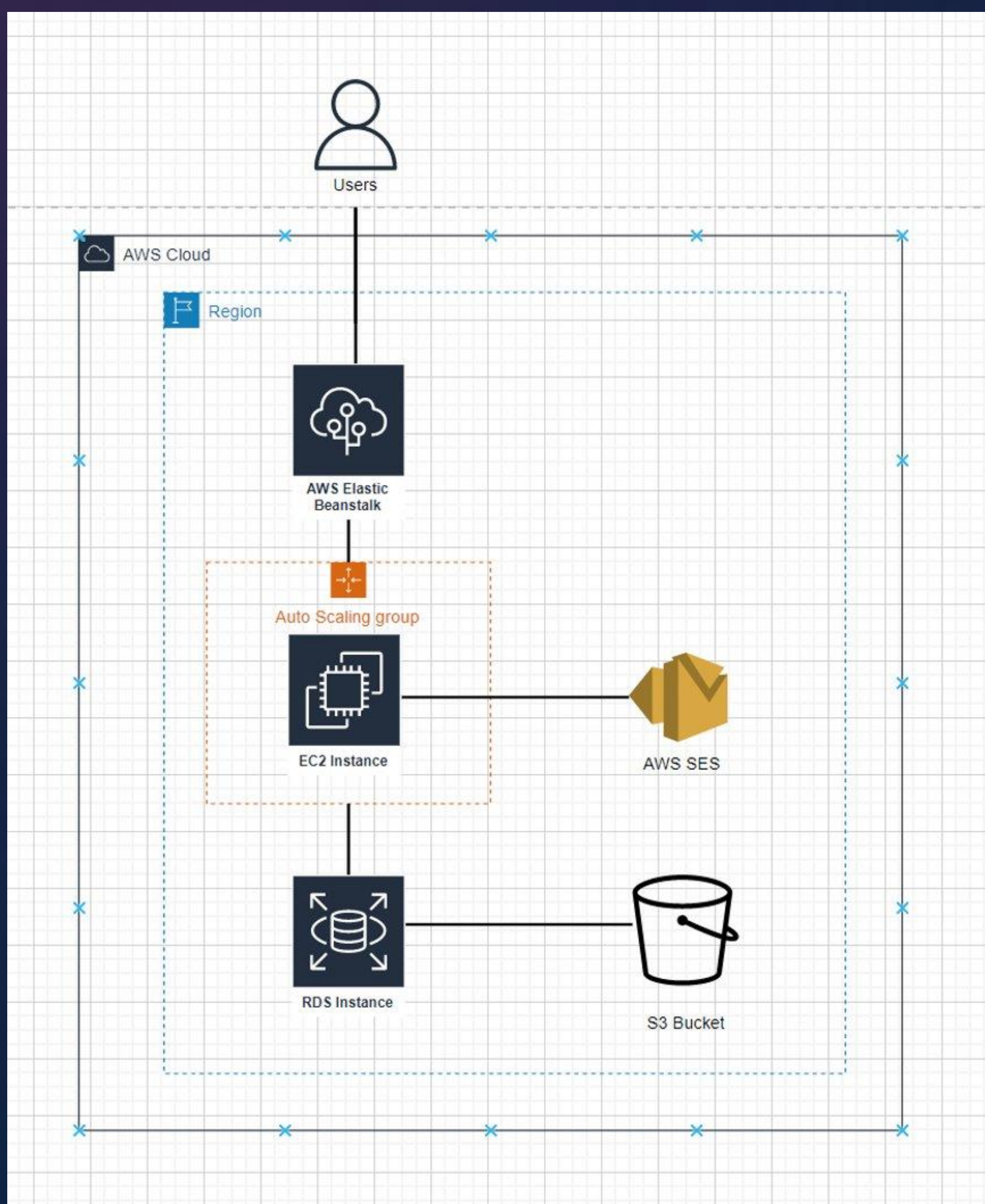
## CURRENT SYSTEM

The current build allows recruiters to post opportunities so users can view a summary of the opportunity and click on them to be redirected to the job post. Recruiters can assign various categories to an opportunity. Additionally, users can subscribe to one or more categories, and they will receive a daily digest of new opportunities by email. They can unsubscribe from these emails from the email itself.

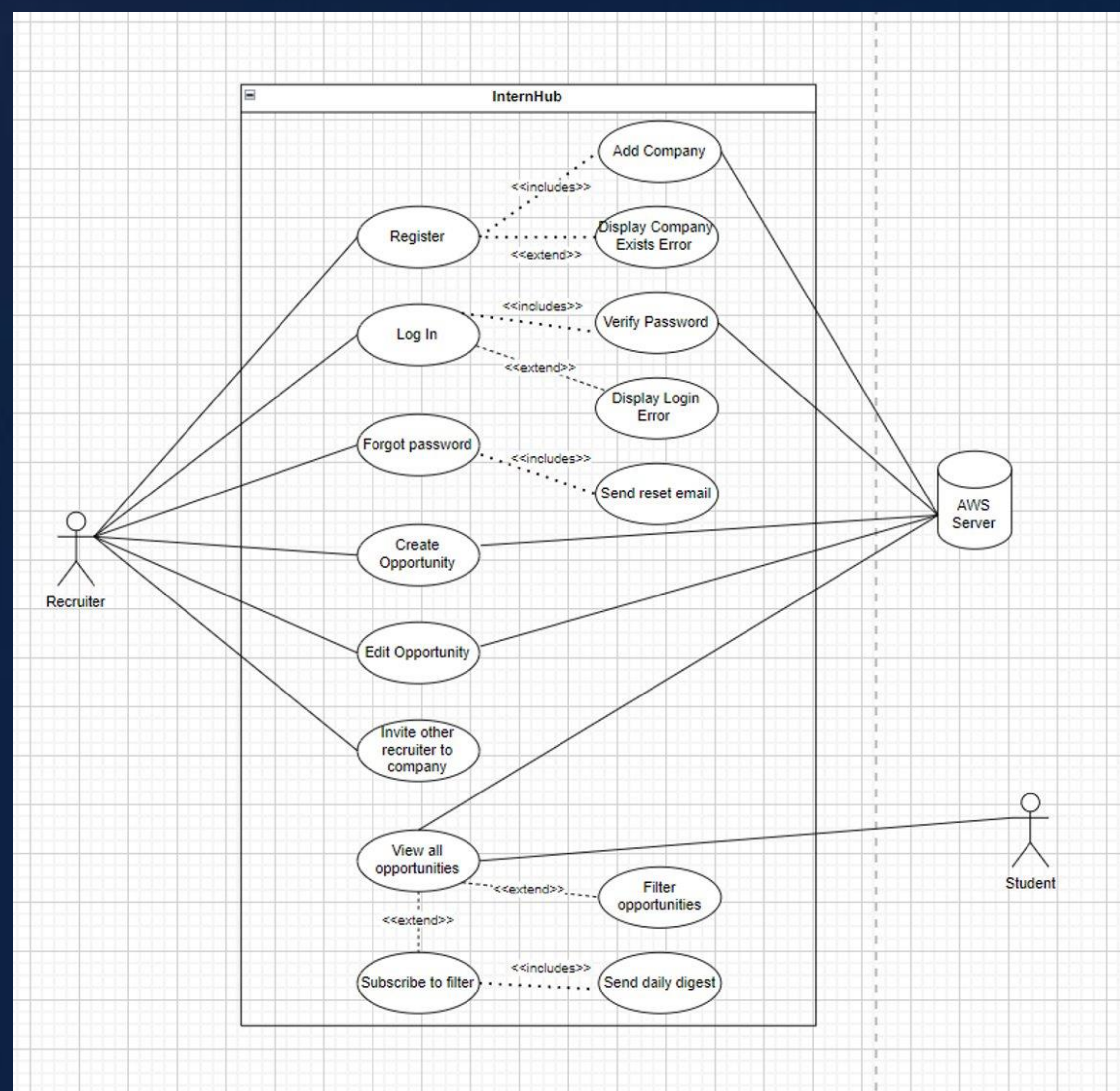
## REQUIREMENTS

- My required tasks were:
- Deploy app on AWS EC2 using Elastic Beanstalk
  - Create AWS RDS database and connect it to the app.
  - Connect my AWS SES SMTP credentials to the app to make email feature functional.
  - Configure environment files in the EC2 instance in order to make project functional on AWS.

## SYSTEM DESIGN



## OBJECT DESIGN



## IMPLEMENTATION



## VERIFICATION

Before any changes were pushed to the master branch on GitHub, the contributor must test all basic features locally to make sure nothing breaks. This was repeated until the project was considered finished. Once the project was final, it was uploaded to an EC2 instance and tested to make sure it was fully functional.

## SUMMARY

In conclusion, I was able to successfully deploy the project on an AWS EC2 instance using Elastic Beanstalk. I created an AWS RDS database, connected it to the app, and ran the necessary migrations to resolve the errors. I also created AWS SES SMTP credentials and in order to make the email system functional. Lastly, I edited the environment files in the EC2 instance to connect the app to the database and login with my SES SMTP credentials to be able to send emails.

## REFERENCES

- [AWS CodePipeline Docs](#)
- [AWS EC2 Docs](#)
- [AWS Elastic Beanstalk Docs](#)
- [AWS RDS Docs](#)
- [AWS SES Docs](#)
- [Laravel Docs](#)