



# The Stack Technologies

## Background

Founded by two recent Colorado School of Mines graduates, The Stack Technologies is in the business of creating trusted, scalable, modern full stack applications.

Spearheading our portfolio is our pioneer creation, The Score Stack found on the Google Play Store, Apple App Store, and at <https://thescorestack.com>. The Score Stack revolutionizes the management of musical organizations, catering to the diverse needs of community choirs, barbershop quartets, and others. With a meticulous blend of innovation and user-centric design, our technology streamlines administrative tasks while enhancing the experience for individual choral members. At The Stack Technologies, we are driven by a singular mission: to deliver intuitive, adaptable, and forward-looking solutions. We invite you to join our small team as we continue to redefine the landscape of modern application development, making simplicity and scalability our priority.

## Project Description

Build an **Internal Dashboard** for The Score Stack application. The primary functions of this dashboard would include showing live analytics on feature usage as well as detailed analytics of application failures and logs. A secondary function would be to include user feedback displayed in a clean and presentable manner. A tertiary function would be to make the internal dashboard resemble the style and format of The Score Stack.

## Project Scope

The project will entail researching and gaining skills in:

- AWS (Amazon Web Services) - Lambda, S3, API Gateway, RDS
- Database management - Postgres
- Front-End Development - Flutter (recommended) or another approved framework
- E2E Testing

**Team Size:** 2-4 students

**Location:** On CSM campus or remote

## Benefits

With our guidance, you will walk away with the ability to create a full stack application from the ground up. You will learn how to own and manage the application while having a complete control of the product's lifecycle. You will also gain a fundamental proficiency in AWS, a highly coveted skill among software developers.

## Contacts

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