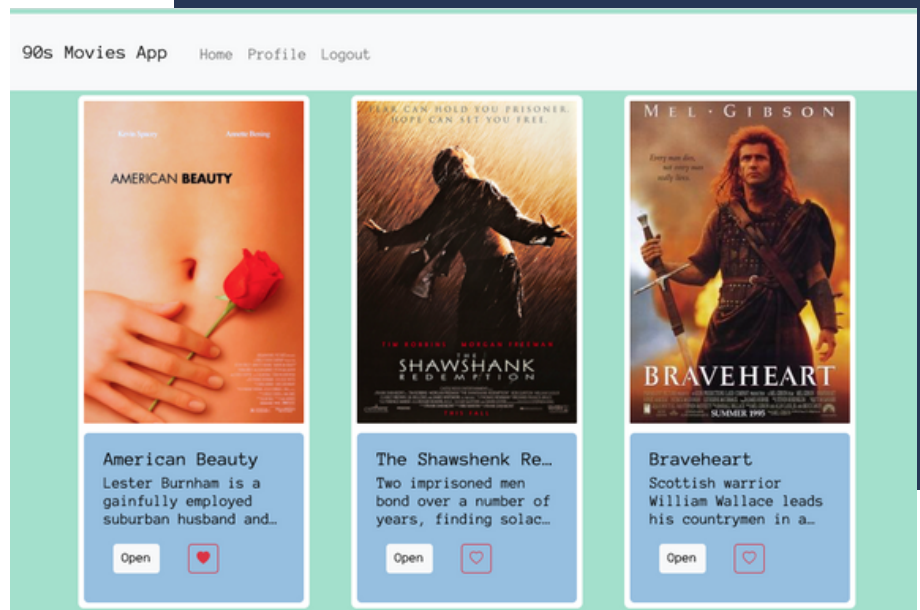# 90S MOVIES APP

FULL-STACK CASE STUDY

The project aimed to create an interactive platform for users to explore, search, and favorite movies from the 1990s.

🔗 **Visit the site**

TOOLS

- MERN Stack
    - MongoDB
    - Express
    - React
    - Node.js
- React Bootstrap
- Render
- Insomnia

OBJECTIVES

The project's objective was to build a platform that provides comprehensive information about 90s movies while enhancing full-stack web development skills.

TOOLS & SKILLS

The app was built with React and React Bootstrap for the frontend, Node, Express, and MongoDB were used for the backend, and Passport for user authentication. The project also shows my proficiency in deploying applications on Render while following Agile methodologies for iterative development and user-centric design.

SERVER SIDE

I used Node.js and Express.js to build the backend infrastructure. MongoDB was chosen as the database to store movies, user profiles, and favorites. Mongoose was employed as an Object Data Modeling (ODM) library to streamline database interactions. Express facilitated the creation of robust API endpoints for data manipulation.

🔗 **GitHub**


```js
JS index.js      ✕
JS index.js ⟩ ⊕ app.get('/users/:Username') callback ⟩ ⊕ catch() callback
56
57    //ROUTES with Express
58
59    //READ
60    //return textual response on /
61    app.get('/', (req, res) => {
62        res.send("This is an API of 90s movies."); //send is an Express function
63    });
64
65    //get all movies
66    app.get('/movies', passport.authenticate('jwt', { session: false }), (req, res) => {
67        Movies.find()
68            .then((movies) => {
69                res.status(201).json(movies);
70            })
71            .catch((err) => {
72                console.error(err);
73                res.status(500).send("Error: " + err);
74            });
75    }
76    );
77
78    //get all users
79    app.get('/users', passport.authenticate('jwt', { session: false }), function (req, r
80        Users.find()
81            .then(function (users) {
82                res.status(201).json(users);
83            })
84            .catch(function (err) {
85                console.error(err);
86                res.status(500).send("Error: " + err);
87            });
88    }
89    );
```

CONTEXT

I developed the 90s movies app while pursuing my studies at CareerFoundry.

The project took five weeks to complete.

Sophie Meinz
Full-Stack Web Developer

USER AUTHENTICATION

Secure user authentication through JSON Web Tokens (JWT) and Passport.js, allowing users to securely register, log in, and log out.
Handling token expiration and refreshment required careful consideration. Setting token expiration, establishing a refresh token endpoint, and utilizing JWT, enhanced efficiency and security.
This phase seamlessly aligned with the project's focus on user-centric design and security, guaranteeing a seamless and safe user experience.

CLIENT SIDE

Following the API development, I focused on creating the client-side interface that enables users to interact with the server. The application is a responsive, single-page platform developed using React. It encompasses various interface views, such as the main view displaying the complete movie list, a detailed movie view for individual movie data and adding movies to favorites, a user login view, registration view, and a profile view for users to update their data and favorites list.