

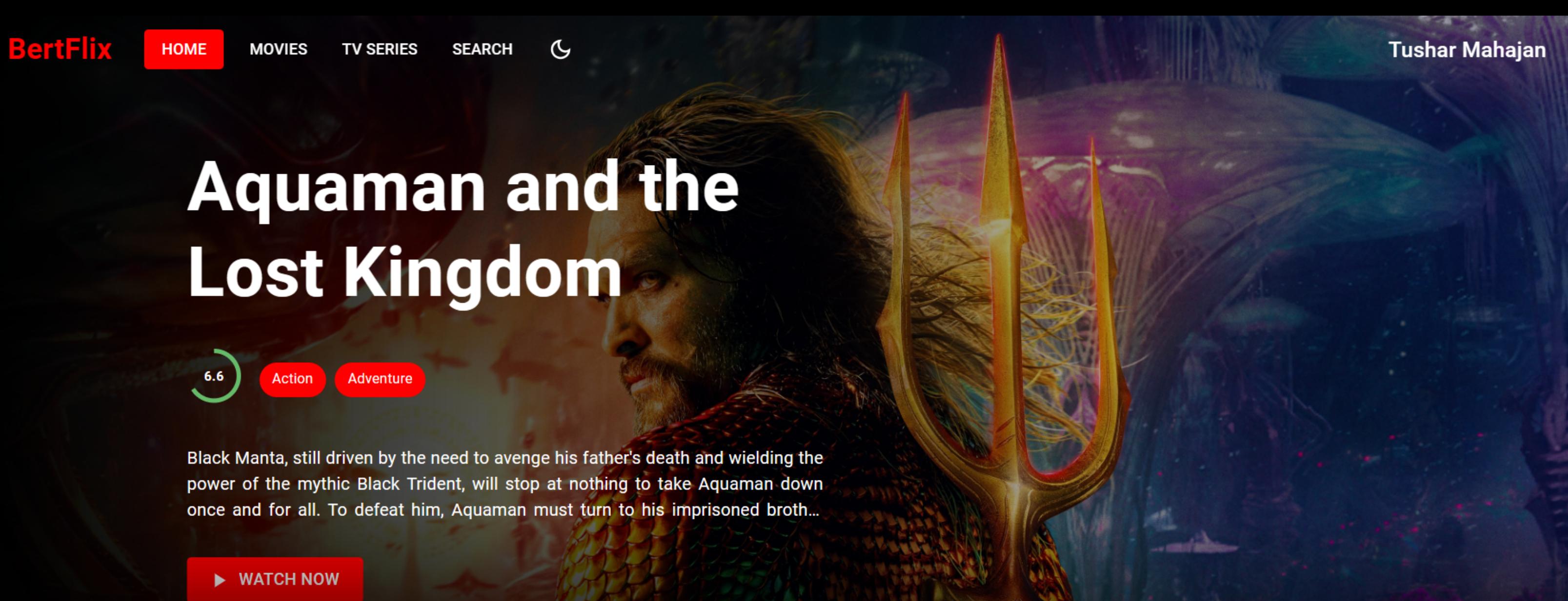
BERTFLIX

Tushar Mahajan

2110991938

G-19

Fullstack open source movie application made with MongoDB, Express, React & Nodejs (MERN)



The image shows a movie poster for "Aquaman and the Lost Kingdom". The main focus is Aquaman, played by Jason Momoa, wearing his iconic golden mohawk and armor. He is holding a large, ornate golden trident. The background is a dark, underwater scene with purple and blue lighting, showing some marine life and structures. At the top left, there's a navigation bar with "BertFlix" (in red), "HOME" (in a red button), "MOVIES", "TV SERIES", "SEARCH", and a search icon. On the right side, it says "Tushar Mahajan". In the center-left, the movie title "Aquaman and the Lost Kingdom" is displayed in large white letters. Below the title, there's a green circular rating icon with "6.6" and two red circular genre tags for "Action" and "Adventure". A descriptive blurb at the bottom left reads: "Black Manta, still driven by the need to avenge his father's death and wielding the power of the mythic Black Trident, will stop at nothing to take Aquaman down once and for all. To defeat him, Aquaman must turn to his imprisoned broth...". At the bottom left, there's a red "WATCH NOW" button with a play icon.

What this report covers

01 Configuration and Setup

02 Key Features

03 Technology Used

04 Screenshots

Configuration and Setup

In order to run this project locally, simply fork and clone the repository or download as zip and unzip on your machine.

Open the project in your preferred code editor.

Go to terminal -> New terminal (If you are using VS code)

Split your terminal into two (run the client on one terminal and the server on the other terminal)

In the first terminal

```
$ cd client  
$ npm install (to install client-side dependencies)  
$ npm run start (to start the client)
```

In the second terminal

cd server and Set environment variables in .env

Create your mongoDB connection url, which you'll use as your MONGO_URL

Supply the following credentials

--- .env ---

MONGODB_URL

PORT =5000

TOKEN_SECRET=

TMDB_BASE_URL=

TMDB_KEY=

--- Terminal ---

```
$ npm install (to install server-side dependencies)  
$ npm start (to start the server)
```

Key Features

- User registration and login
- Authentication using JWT Tokens
- Add Favorites
- Delete Favorites
- Leave and Delete a Reviews
- Password Update
- Search Live
- Watch the trailer on You Tube
- 404 page and many more
- Skeleton loading Effect and may more
- Dark Mode
- Responsive Design

Technologies Used

01 Frontend

02 Backend

03 Database

04 API

Frontend

- React js - JavaScript library that is used for building user interfaces specifically for single-page applications
- React Hooks - For managing and centralizing application state
- react-router-dom - To handle routing
- axios - For making Api calls
- Material UI - For User Interface
- CK-Editor - Rich Text Editor
- Formik - Manage status and validation of data on forms efficiently
- React Redux - manage application state efficiently and provide a more structured mechanism for managing data
- React Toastify - To display interactive and responsive notifications (toasts) in web applications
- Swiper - To create responsive and interactive sliders or carousels on web pages

Backend

- Node.js - A runtime environment to help build fast server applications using JS
- Express.js - The server for handling and routing HTTP requests
- Mongoose - For modeling and mapping MongoDB data to JavaScript
- axios - For making API calls
- jsonwebtoken - For authentication
- cookie-parser - Middleware module used in Node.js web applications to manage cookies
- cors - Provides a Connect/Express middleware
- Dotenv - Zero Dependency module that loads environment variables
- express-validator - Used in Node.js applications with the Express framework to validate data submitted by users (user input)
- nodemon - Development utility for Node.js applications. Node.js is a runtime platform that allows you to run JavaScript on the server side.

Database

MongoDB - It provides a free cloud service to store MongoDB collections.

API

TMDB API - An application programming interface that provides access to a database of movies, television shows, and related information from The Movie Database platform.

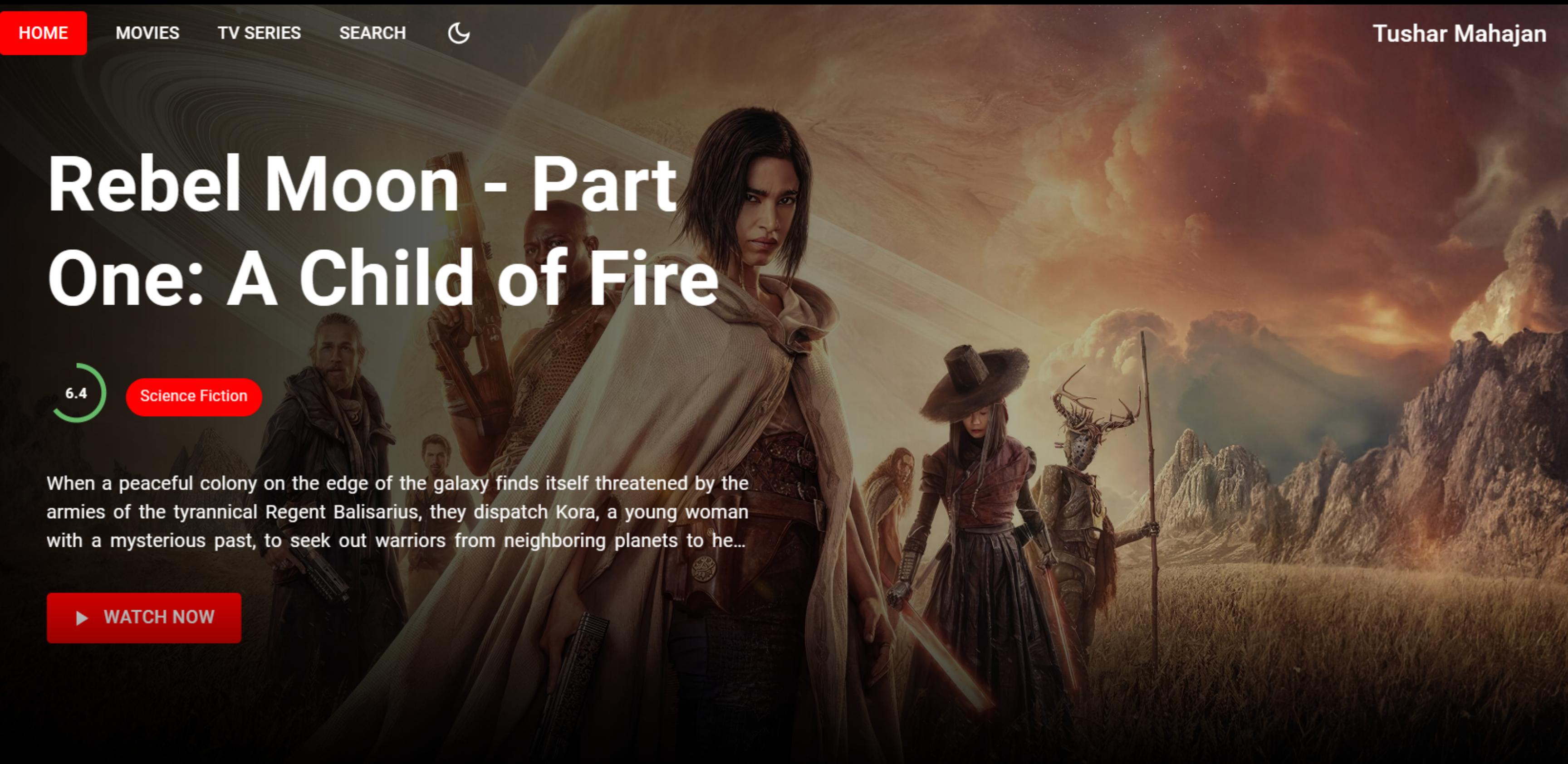
Rebel Moon - Part One: A Child of Fire

6.4

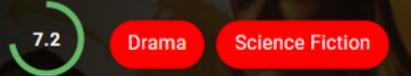
Science Fiction

When a peaceful colony on the edge of the galaxy finds itself threatened by the armies of the tyrannical Regent Balisarius, they dispatch Kora, a young woman with a mysterious past, to seek out warriors from neighboring planets to he...

▶ WATCH NOW



The Hunger Games: The Ballad of...



64 years before he becomes the tyrannical president of Panem, Coriolanus Snow sees a chance for a change in fortunes when he mentors Lucy Gray Baird, the female tribute from District 12.

[WATCH NOW](#)

Drama

Science Fiction

Movies

POPULAR

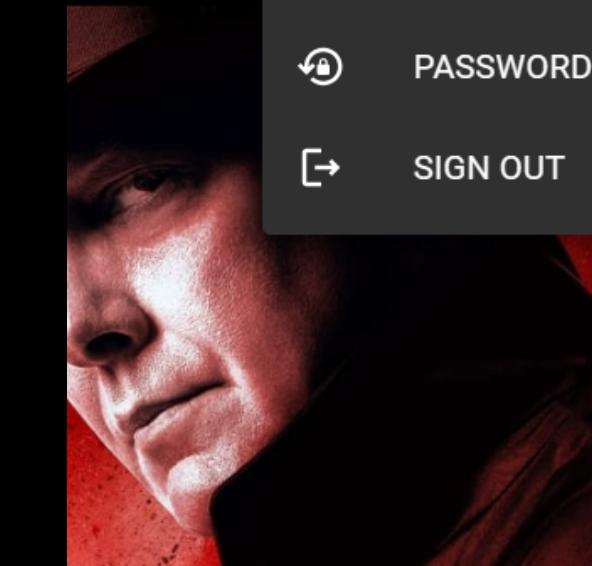
TOP RATED

POPULAR

TOP RATED

Tushar Mahajan

- [FAVORITES](#)
- [REVIEWS](#)
- [PASSWORD UPDATE](#)
- [SIGN OUT](#)



UPDATE PASSWORD

[UPDATE PASSWORD](#)

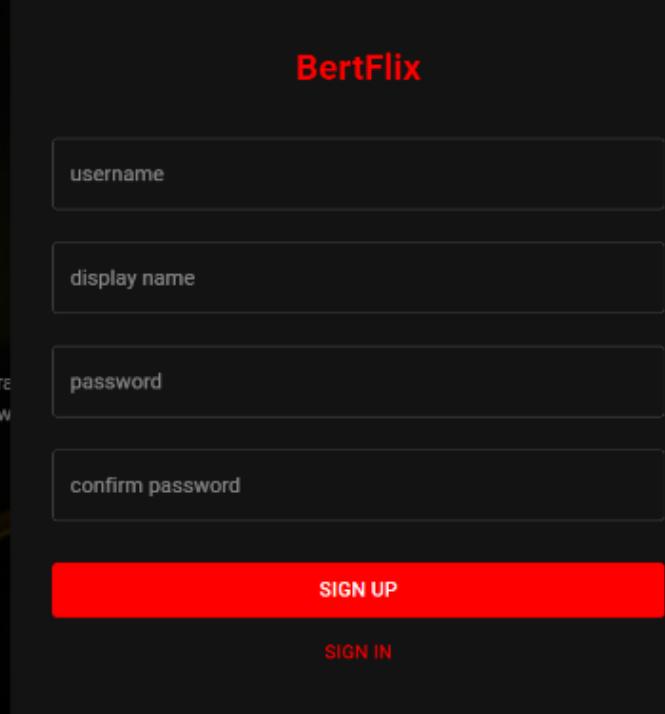
TV Series



SIGN IN

BertFlix

AKA



7  Thriller Action

A steely special ops agent finds his more crime syndicate and unexpectedly bonds w

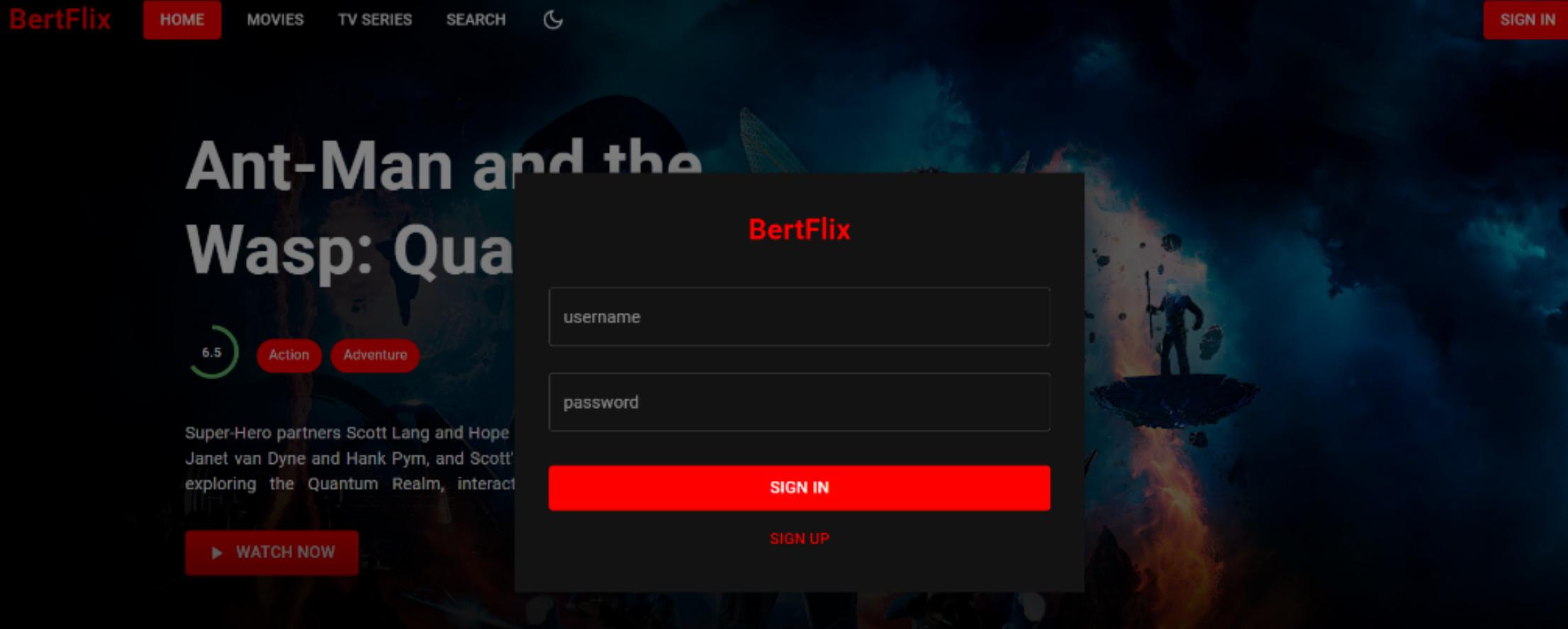
[▶ WATCH NOW](#)

username
 display name
 password
 confirm password

[SIGN UP](#) [SIGN IN](#)

SIGN IN

Ant-Man and the Wasp: Qua



6.5  Action Adventure

Super-Hero partners Scott Lang and Hope Janet van Dyne and Hank Pym, and Scott exploring the Quantum Realm, interact

[▶ WATCH NOW](#)

BertFlix

username
 password

[SIGN IN](#) [SIGN UP](#)