

# Novare Potential

INTENSIVE FRONTEND COURSE - ONLINE  
WINTER 2022



# About

## The accelerated program

### A Solid Foundation

All participants either have technical work experience or have gone through other training programs/courses before attending this course.

### Frontend Specialization

Now they have been selected and chose to attend a 4 months program with focus on React during the winter 2022.

*Daily lectures and individual mentor meetings, to guide the students.*

*Starting from November 21 2022 until March 17, 2023.*

### Ready From Day One

Our candidates will have project management skills, they can understand and adapt to agile environments, when surrounded by senior developers they will be able to keep the pace with them.



# Quick facts

## From the course



### Training months

Daily lectures and individual mentor meetings, to guide the students.



### Project based

Learning based on 7 individual projects with set requirements increasing in complexity.



### Soft skills

We focus on strong software engineering practices, so candidates can produce code that create value not bugs.

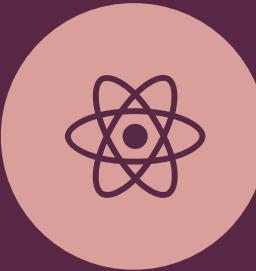


### Hard skills

We teach the most valuable and in demand skills based on real client interviews.

# Tech stack

## Technologies that they learn



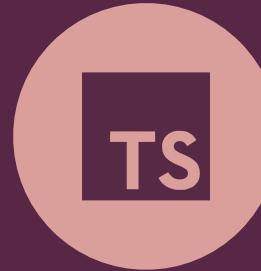
### React

The most utilized Frontend framework in the Swedish market for building web applications.



### SASS

A CSS Post processor that allows students to better organize the visual aspects of their web applications.



### TypeScript

Enforce strong data typing in order to build robust apps and also to better collaborate with Java or C# devs.



### FireStore & Cloud Storage

Deploy to cloud solutions by using the Firebase suite of tools that include databases, auth and dynamic storage.



### Jest & Testing Library

Complete Unit testing by dividing the test into logic for the JavaScript modules and UI for React components.



### Project Management

*Learning based on 7 individual projects with set requirements increasing in complexity.*

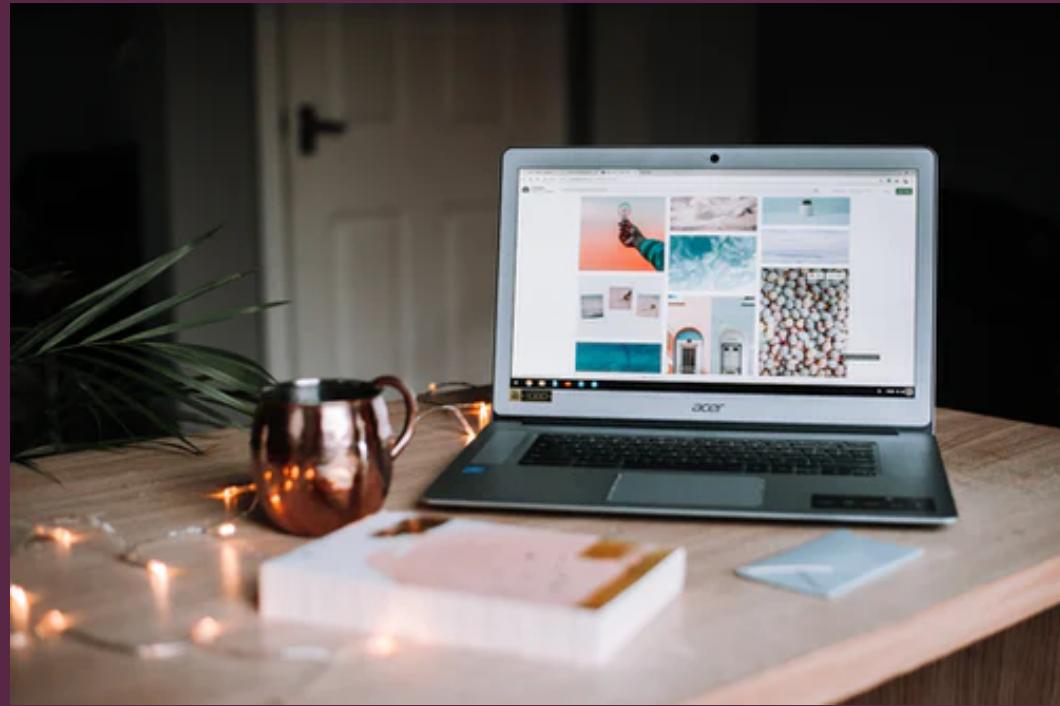


### Soft Skills

*Focus on strong software engineering practices, to produce code that create value not bugs.*

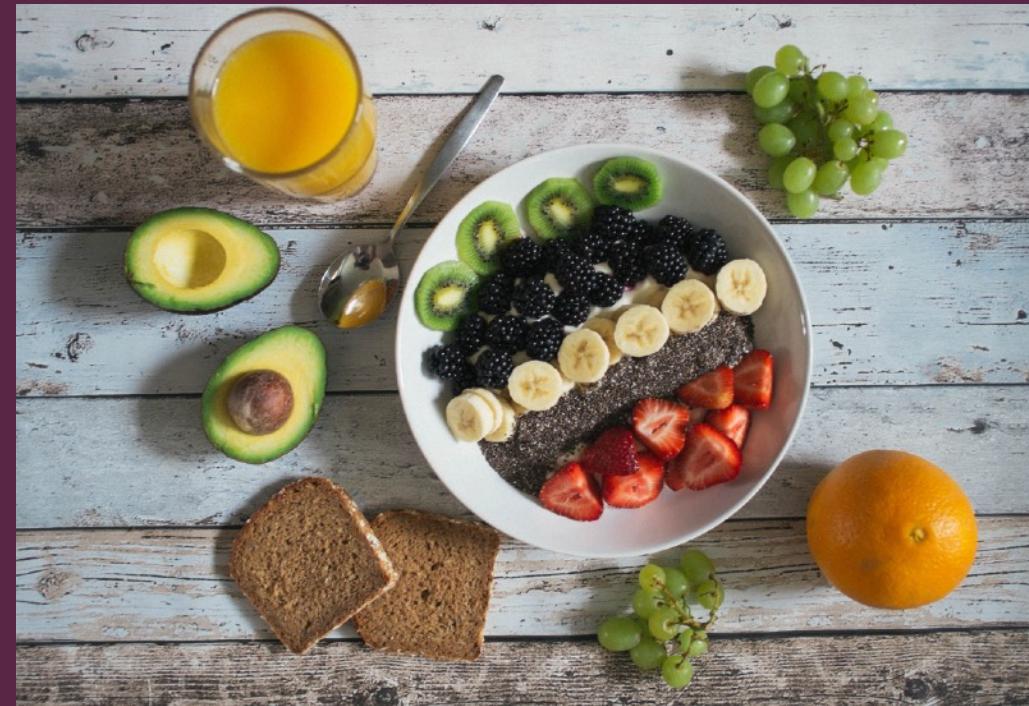
# Projects

## Progressively increasing in complexity



### Portfolio Website

An easy project that lays down the foundation for future projects. They get familiar with good coding practices for both React components and CSS.



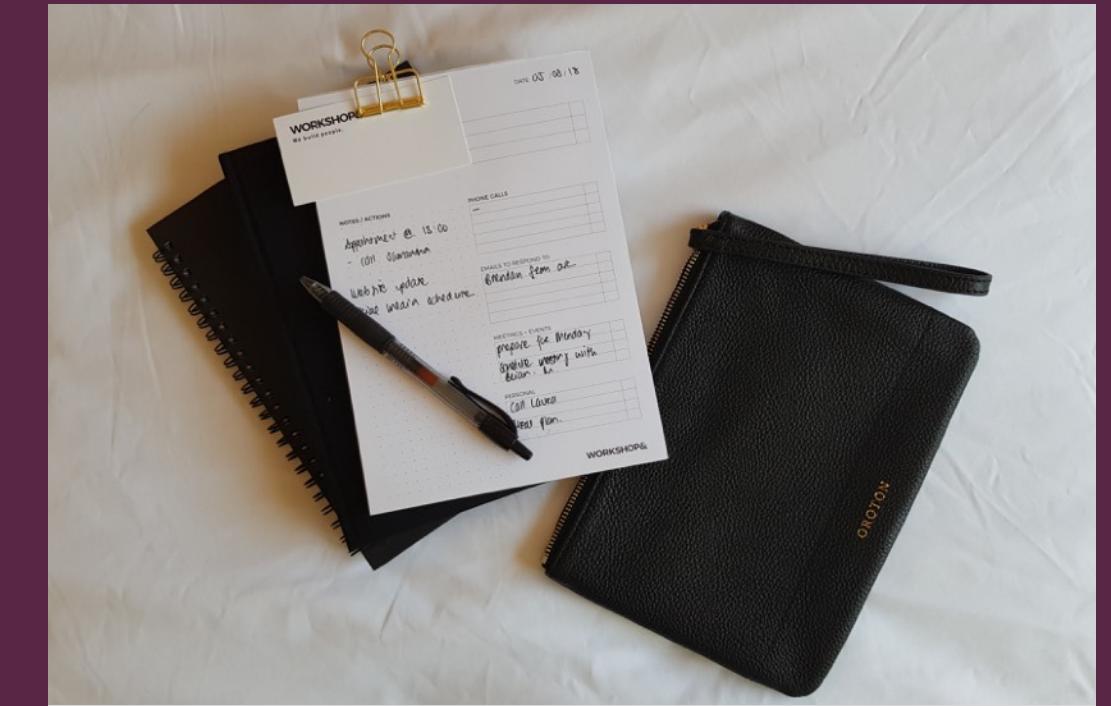
### Vegan Restaurant

This project allows to further develop clean code practice in a multi page website. Also teaches to write complex JSON files to simulate data coming from an API.



### Package Tracker

A project where they switch from a static JSON file to a real API call to obtain and present data from a server.



### TTD Todo

Practice Test Driven Development testing techniques on a project that every developer is familiar with, so the student focuses on learning unit testing without pressure.

# Projects

## Progressively increasing in complexity



### BBQ Restaurant

This project combines the consumer facing site of a restaurant with the admin panel of the previous project. Students will learn to reutilize components and code from previous projects.



### Learning Platform

A small yet complete, Learning Management System (LMS) platform that allows to create student accounts and add more full stack features.

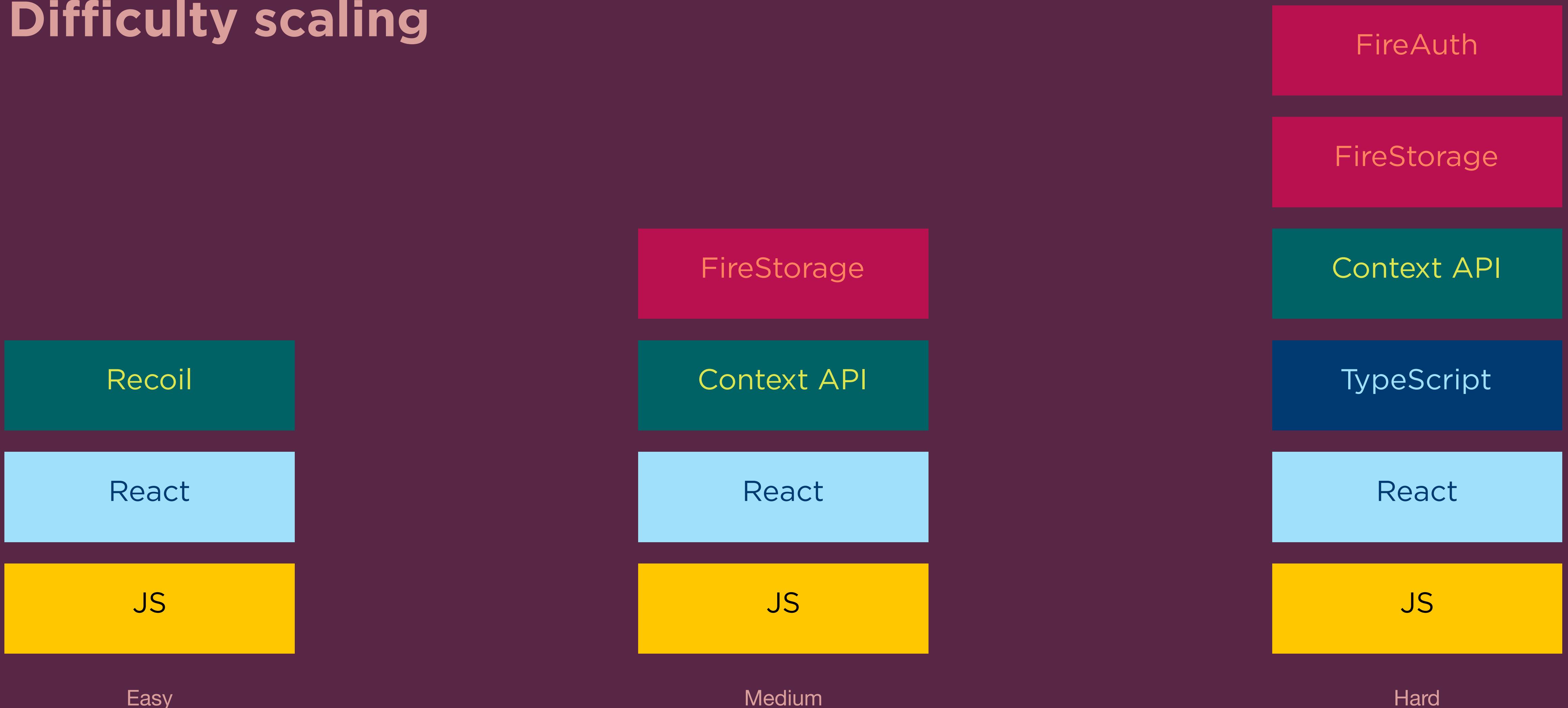


### Netflix clone

The final project to graduate from the program. It combines all the techniques mentioned in the Tech stack while taking into consideration the UI experience.

# Projects Complexity

## Difficulty scaling



# Project deliverables

## 7 step process



### Requirement gathering

Discover missing items in the requirements.



### Project spreadsheet

Start prioritising features based on value not linearity.



### User flow diagram

Visualise the finished app before designing or coding.



### Design mockup

Determine how many components you need.



### Component tree

View how props are passed down.



### Git repository

Allows version control.



### Hosted link

Non coders can give feedback.

Realise the hardest parts of the project.

Start creating better variables and function names.

Think about the project navigation.

Better semantic tags. (better JSX code)

Realise where to put the state.

Test features in isolation.

Portfolio to share with others

Start thinking about possible solutions to problems.

Parse API calls. (Understand JSON data)

Helps create a better Router/ Switcher system.

Better component names. (The Pragmatic Programmer)

Allows to refactor before coding.

Team collaboration.

# End Result

## Once the program is done

### Combined Experience

By combining the candidate's previous knowledge/experience and our 4 months of Frontend specialization we can offer talented Frontend developers with a solid foundation.

### Talented Developers

Our candidates have project management skills, they can understand and adapt to agile environments, when surrounded by senior developers they will be able to keep the pace with them.

### What happens now?

All candidates can be recruited through Novare Potential on an initial consultancy set up.

During this period of time Novare Potential will provide the consultant with a technical mentor.

