

Novare Potential Academy

FRONTEND COURSE
AUTUMN 2021



About

The accelerated program

A Solid Foundation

All participants have completed a 4 months Software Development Academy. They learnt both basics and more advanced aspects of object oriented programming with focus on Java.

Frontend Specialization

Now they have been selected and chose to attend a 3 months program with focus on React during the Autumn 2021.

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

Starting from August 16 until November 5.

Ready From Day One

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.



Quick facts

From the course



Training months

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

Starting from August 16 until November 5.



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.

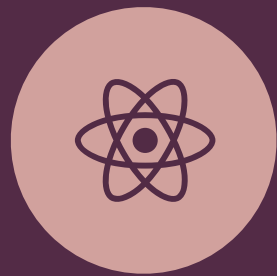


Hard skills

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

Tech stack

Technologies that they learn



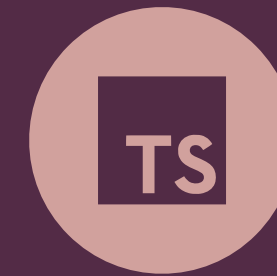
React

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

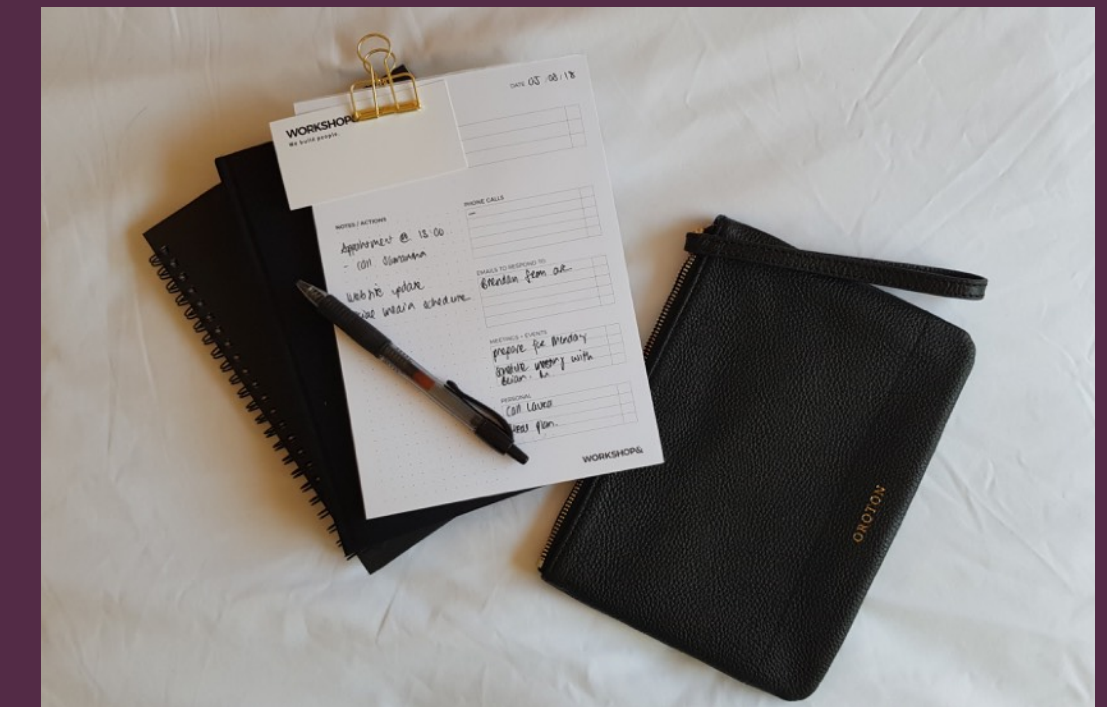
This project allows to further develop clean code practice in a multi page website.

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.

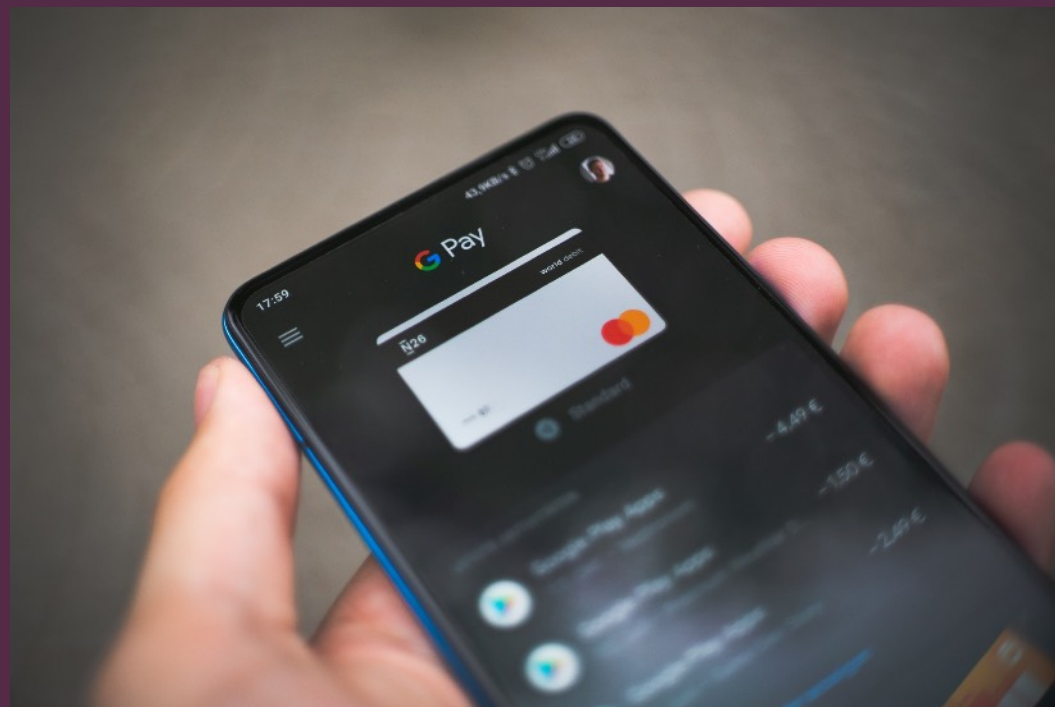


TTD Todo

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

Projects

Progressively increasing in complexity



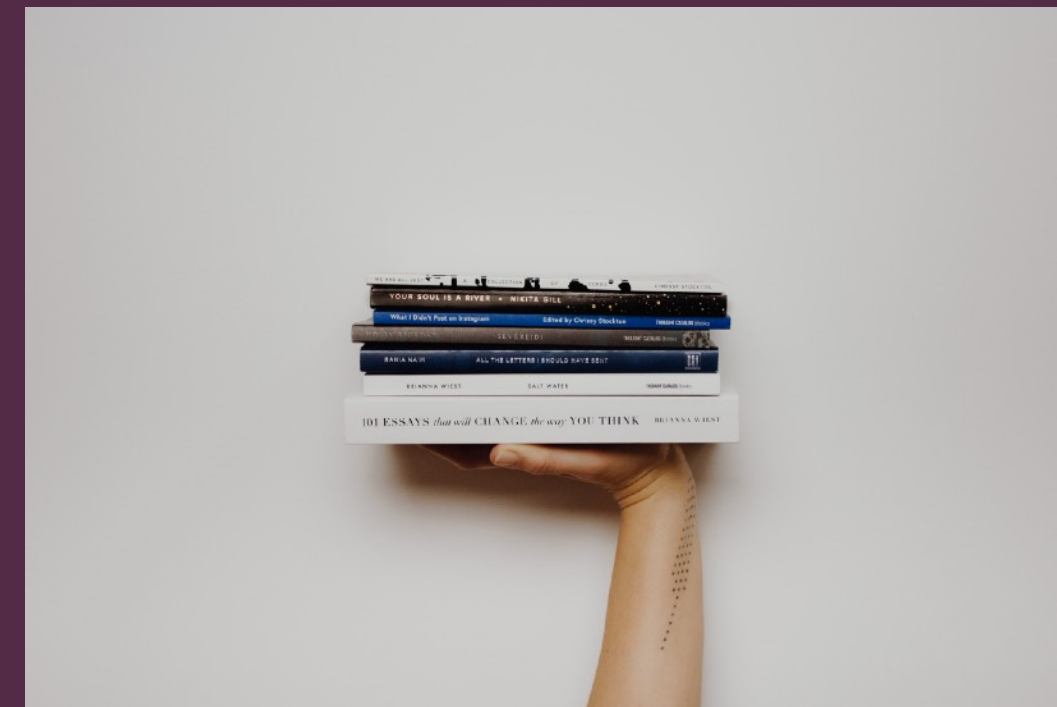
**E-commerce
store**

pending...



**BBQ
Restaurant**

pending...



**Learning
Platform**

pending...

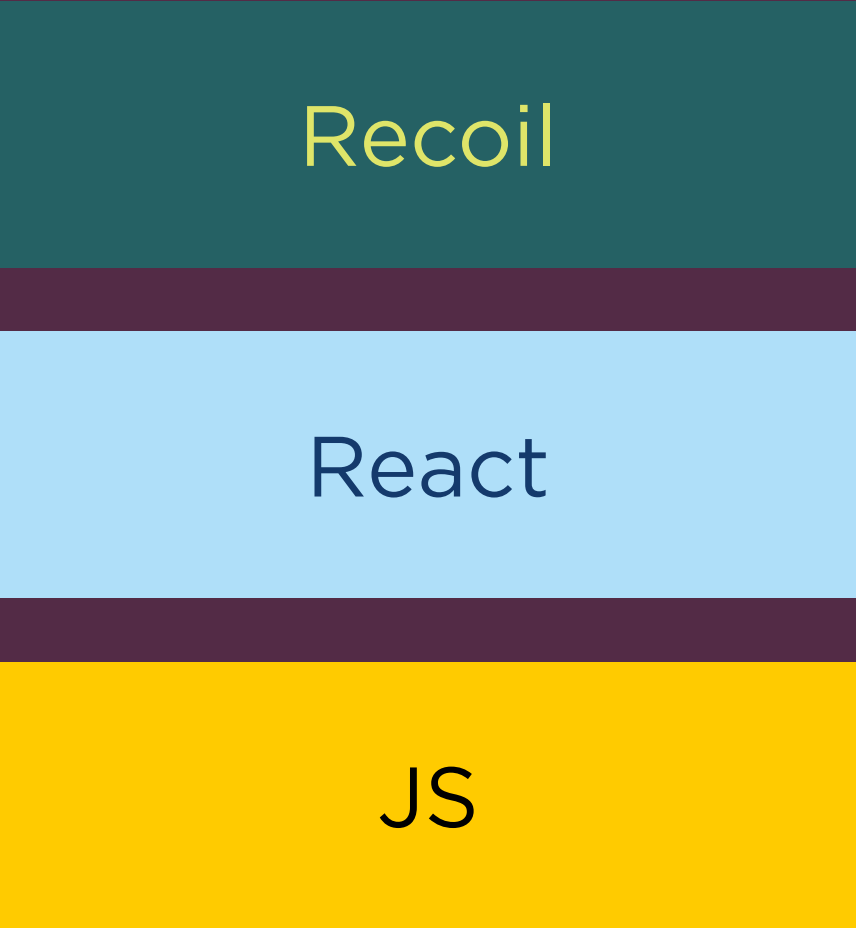


**Netflix
clone**

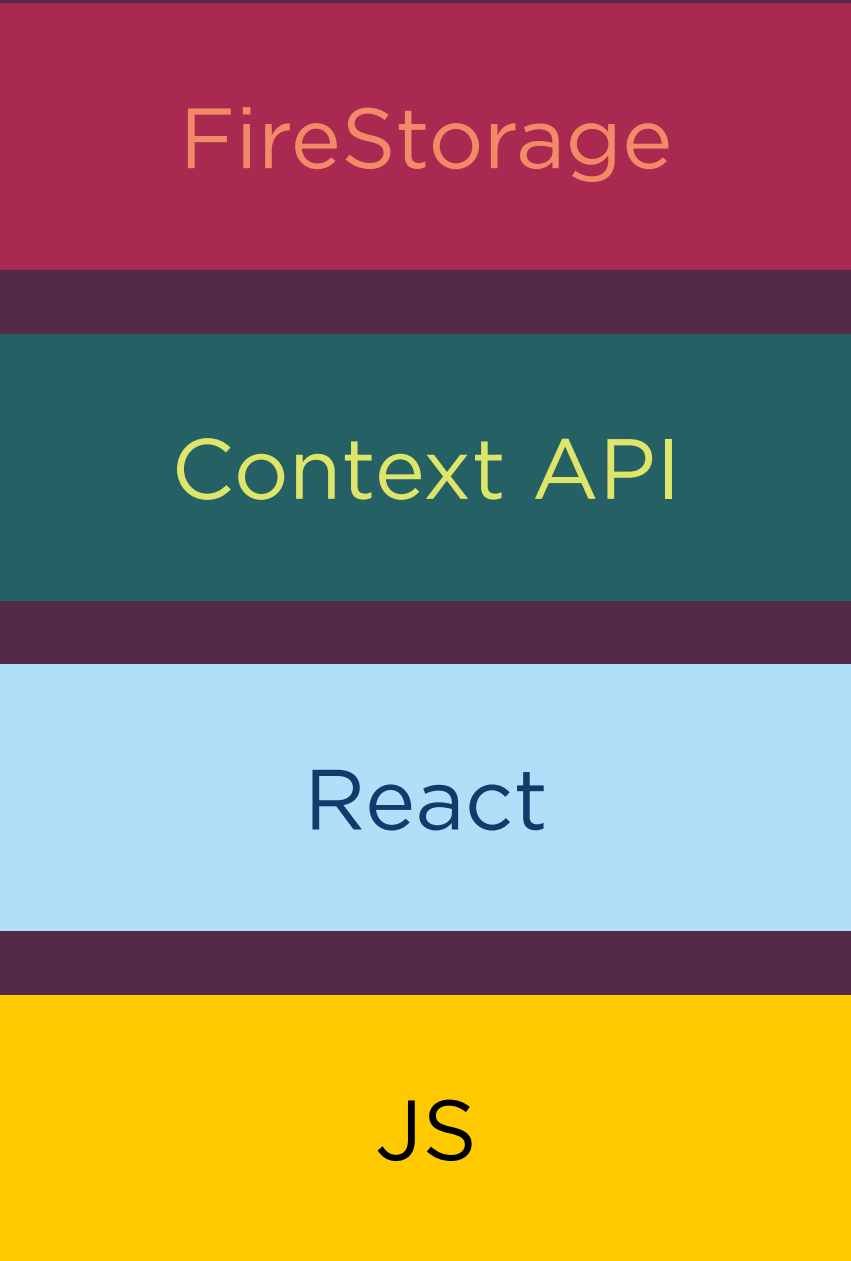
pending...

Projects Complexity

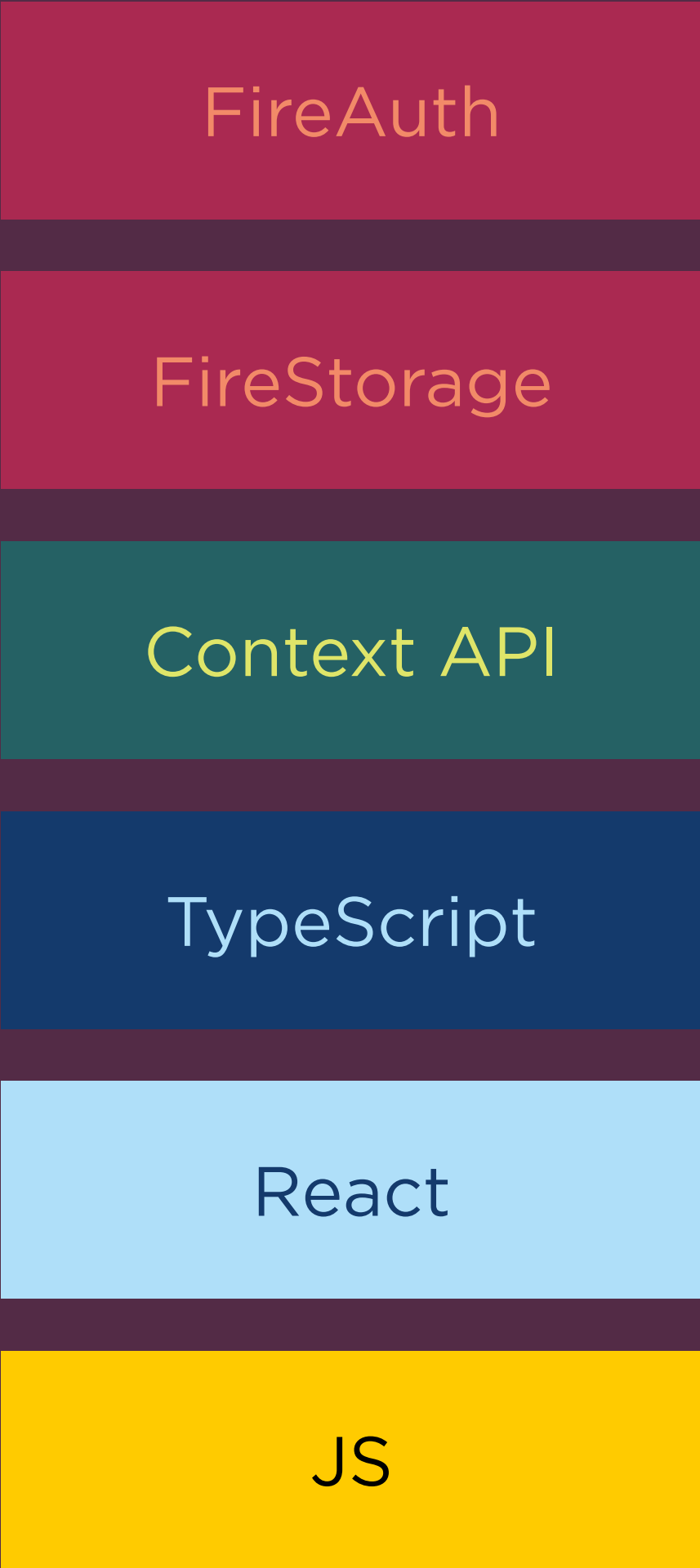
Difficulty scaling



Easy



Medium



Hard

Project deliverables

7 step process



Requirement gathering

Discover missing items in the requirements.

Realise the hardest parts of the project.

Start thinking about possible solutions to problems.



Project spreadsheet

Start prioritising features based on value not linearity.

Start creating better variables and function names.

Parse API calls. (Understand JSON data)



User flow diagram

Visualise the finished app before designing or coding.

Think about the project navigation.

Helps create a better Router/Switcher system.



Design mockup

Determine how many components you need.

Better semantic tags. (better JSX code)

Better component names. (The Pragmatic Programmer)



Component tree

View how props are passed down.

Realise where to put the state.

Allows to refactor before coding.



Git repository

Allows version control.

Test features in isolation.

Team collaboration.



Hosted link

Non coders can give feedback.

Portfolio to share with others

End Result

Once the program is done

Combined Experience

By combining the 4 months of the Software Development Academy with our 3 months of Frontend specialisation 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.

