Novare Potential Academy

FRONTEND COURSE
AUTUMN 2021

Novare
POTENTIAL

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.
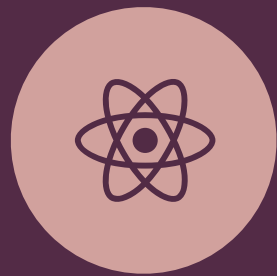
Hard skills

We teach the most valuable and in demand skills based on real client interviews.
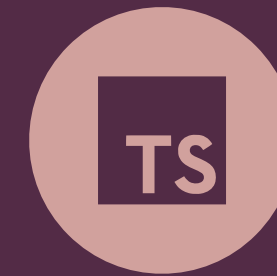
Tech stack
Technologies that they learn

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.
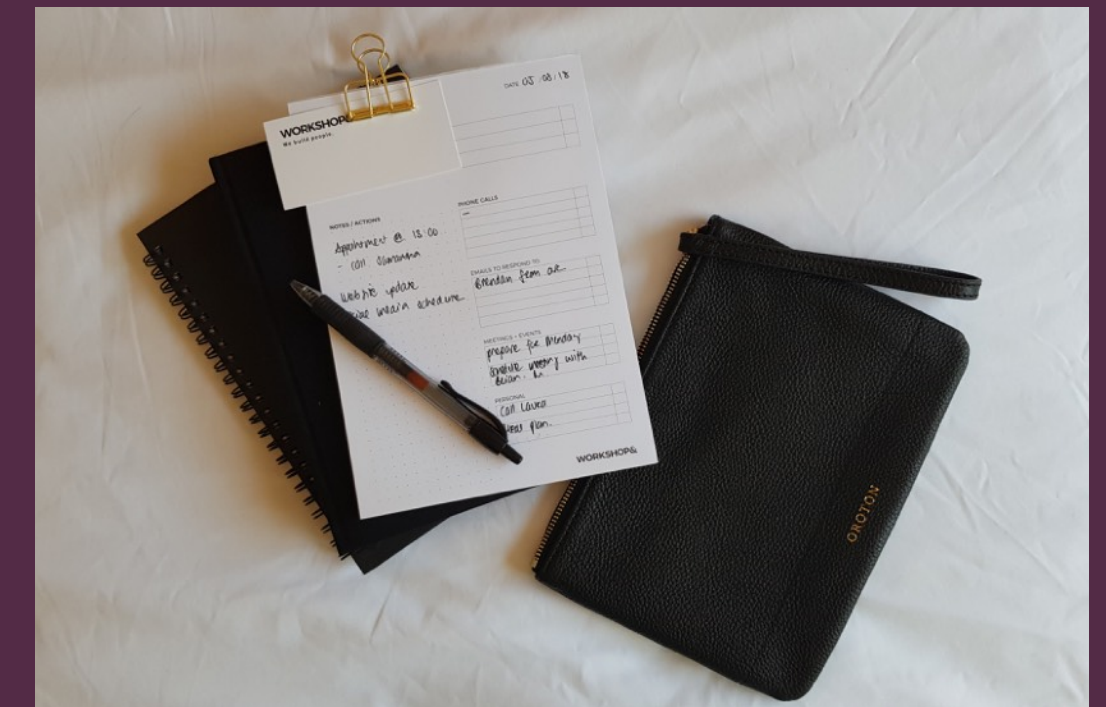

Vegan Restaurant

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 focuses on learning unit testing without pressure.
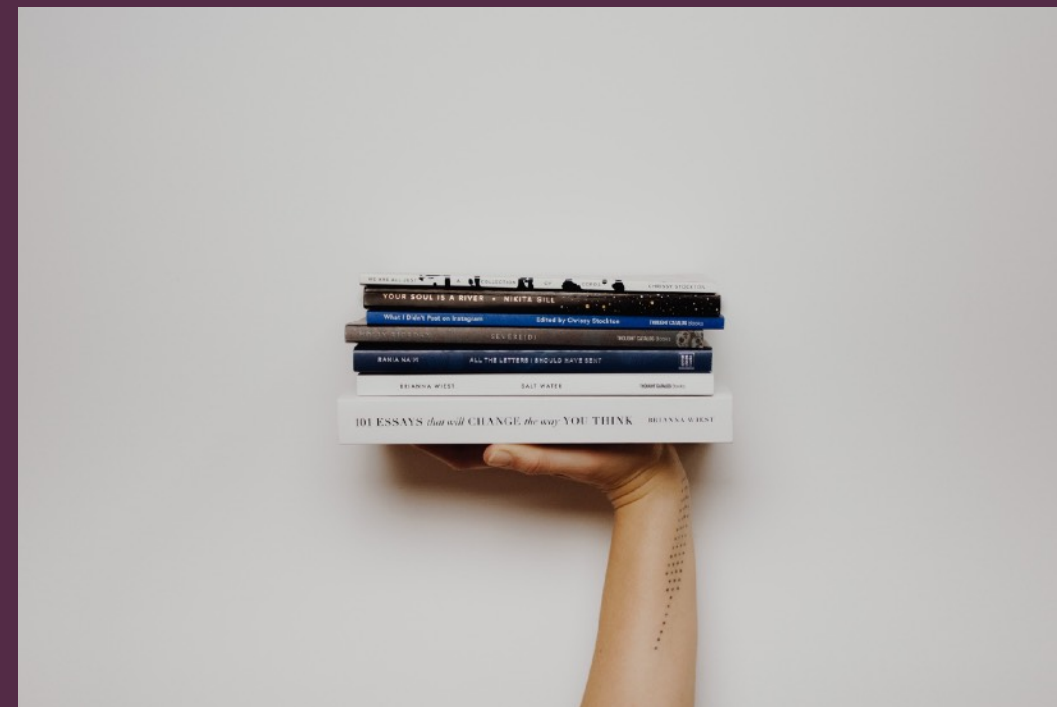
Projects

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

FireAuth

FireStorage

FireStorage

Context API

Recoil

Context API

TypeScript

React

React

React

JS

JS

JS

Easy

Medium

Hard

Project deliverables
7 step process

Requirement gathering	Project spreadsheet	User flow diagram	Design mockup	Component tree	Git repository	Hosted link
Discover missing items in the requirements.	Start prioritising features based on value not linearity.	Visualise the finished app before designing or coding.	Determine how many components you need.	View how props are passed down.	Allows version control.	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 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.