ALEXANDRE DECOLLAS

SOFTWARE CRAFTSMAN | FULL STACK

8 ANS D'EXPÉRIENCES

Freelance and techno enthusiast, I like the art of development. I am in the software craftsmanship way of life as described by Mancuso in his book. I constantly search self improvement by reading books, blogs, and experiment, sharing with mates with same mindset. I like to work with stimulating people, who like to learn and make learn.

CONTACT

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SKILLS

Angular2+
Node JS
Jest
RxJS
Java
REST
HTML/CSS
CleanCode
TDD
SOLID
KISS
Test E2E
Cucumber

EXPERIENCE

LEAD DEVELOPER/ SCRUM MASTER, Moonda

FEBRUARY 2021 - TODAY

Emergency start of mission in a first time, vital for the company to release the project for the main client.
- lead on some important topics
- onboarding of new comers

Once project is on line, design of the new topology making the team and process more efficient :
- (real) agile process
- E2E tests (Cucumber/puppeteer) to assist the one QA of the team
- JS test framework migrated on Jest
- Development of new features

Daily collaboration with foreigners (Russians, Ukrainians), fluent english

Support for the junior and good practice transmission (TDD, unit testing basics, clean code...)

DEVELOPER FULL STACK, Dedalus

APRIL 2020 - JANUARY 2021

Multiple angle mission :

*After a release, period to make refacto and code quality improvement, bugfixes for the team. So I developed my knowledge on the project.
Improvement I've done in the project :
- make the team goes on Git and its workflow (previously on svn)
- migrate the js unit testing framework (Karma to Jest)
- modularization of the project so then it becomes easily testable
- the UT coverage were null, so I built the ut base structure for each service and components
  - push the team to use good practice, as clean code, ut, so then refacto in the project would become faisable, making the project more flexible and its improvement more serene

*Complete refacto of a node app making pdf with puppeteer, calling the project.
- jest for unit testing
- optimizing performances (parallelization)
- dependency injection with InversifyJ
- POC to choose the right lib to print the PDF/A pdfs (choice : PDFTron)

LEAD DEVELOPER FULL STACK, Maincare Solutions

NOVEMBER 2019 - APRIL 2020

Maincare has rescently bought a company named IdeoIn based in Dijon, France. This company developed its own framework. Maincare Board decided to use this framework to produce software. Framework team is in Dijon, and at the start of the mission it was very laborious to communicate with them, and so was it to learn.
The aim of the mission was to understand this framework, develop POCs (Proof of Concepts) with it, and then bring the knowledge to the team in order to produce software.
This mission has been executed throw several parts :

*Technical part :
- Identify some blocking points linked to the framework, preventing the team to efficiently reach the dead lines.
- Developing with success some POCs getting around these blocking points. With the support of the hierarchy, decision is made to modify deeply the way the framework is used in the project, however compatible with it.
- Update historical development flow : From a big front/back coupled monolith to a new flow in pure vueJS (full typescript, unit tested with Jest). The backend were also cleaned and refactored (setup of JUnit, big decoupling with front, its components lib and the backend)

*Lead part : Helping team to learn good practices (and the beginning 2 and then 5 devs), learn how to use the historical framework and then how to develop with the new approach (big point of attention on clean code, especially clean naming, SOLID principles, TDD and peer programming).

Miscellaneous part :
- Participation to CI/CD chaining.
- Restart of the communication with Dijon teams, which has partially succeeded.

DEVELOPER FRONT, Betclic

APRIL 2018 - NOVEMBER 2019

Mission splited in 2 parts :
- In the expert team, developping features for the "Core" Betclic app, and for the release of new regulations and country versions (Angular 5/6/7, Karma). Internationnal context (english were the daily langage)
- From February, starting front end development of a new casino brand from scratch (angular 7)

Important technical points :
- Use RxJS with big attention point to memory leaks.
- Clean code, SOLID principles, unit tests (TDD) are the bases of the dev
- Peer Programming frequently practiced
- Pure agility: user stories, prepared in collaboration with the Product Owner, during 2 weeks long sprints

DEVELOPER FULL STACK, Banque postale

APRIL 2017 - MARCH 2018

Creating a password management app, today used by interns. I did this app from scratch, fronted and backend.
- I developed REST services based on the requirement, in Spring Framework (OpenDJ for the LDAP) and using TDD.
- Angular 4 front side
- Participating as a lead dev to the refactoring of the main Banque Postale applicative portal, used by agents in banks.
- Frontend in Angular 5
- Backend in Spring
- Development context : team were in Paris, with junior profils. I had to help them for the development and good practices.
Participated to the developpement of the applicative portal used in the Bank (product side).
- Fronted was developed in FwAD, a BP own developped framework using mostly AngularJS concepts
- Backend part : REST services developed in java, with Spring Boot and Maven.
- One of the challenge of this mission was the extensive knowledge to master. The dev were in Semi Agile in a massively multi teams and multi layers context.

DEVELOPER FULL STACK, EDF

NOVEMBER 2016 - MARCH 2017

Development of HMI POC for Electricity of France (EDF) who wanted to abandon its old and obsolete java applets. EDF wanted a brand new modern way to exploit its very big amount of data in order to daily adjust its electric building around the country.
* Developed in just released Angular2, and then rebuilt all in React frontend side (due to a radical change in tech direction, mid term), unit tested (Karma)
* REST services developed in the backend.
* Java with Spring Data on Apache JBoss
* A side aim of this project was for EDF to test pure agility, what they didn't used to practice. So the project were helped with 3 agile coaches, and so, in pure Agile (2 weeks sprints, User Story estimated in Poker planning and defined in Grooming session etc).

DEVELOPER FULL STACK, Conseil régional Aquitaine

MAY 2016 - OCTOBER 2016

Developement of features in the refacto of the legacy Aquitaine Regional Concil portal (used by 4000 users).
* Important legacy part, in Java/J2EE. Framework : Struts 1.2, Postgresql.
* Developement of features for frontend in js/css/html, with graphical contracts to tackle.

DEVELOPER FULL STACK, Orange

SEPTEMBER 2015 - APRIL 2016

* Developing features for the internal portal (used by 200 users)
* Developed in PHP/Zend2 with MySQL.
* Modifications on the front, using JavaScript ans CSS, graphic contract, AJAX call management

DEVELOPER , Pages Jaunes, Solocal Group

FEBRUARY 2014 - AUGUST 2015

* Manually performed operations automation
* Automation of a part of the data integration toolchain.
* Developed in Java with SWING interface, using Excel API (Apache POI) and Oracle SGBD API
* Excel Macros written in VBA, aiming to increase the data integration speed process.

DEVELOPER , Primobox

DECEMBER 2012 - DECEMBER 2013

Primobox aims to develop a HR portal in SaaS.
* Developing features in J2EE to develop business needs, in pseudo Agility.
* Setup a monitoring solution for servers state monitoring, with Nagios.

E D U C A T I O N

Master 2 : Hight Performance Computing , Université Bordeaux 1

2007 - 2012

High Performance Computing is the optimization of programs running on massively parallel machines, like supercomputers. These machines are composed of a lot of CPUs and GPUs, possibly a network. This kind of programmation faces specific problems in term of performances and ressources.