Pierre Beard

Front-End engineer

pbrt.co
github.com/PBRT

I am a full-stack engineer with 3+ years of experience in web development. I build apps using functional programming languages and concepts, currently looking for new exciting positions.

Experience

Front-end Engineer

Lifeworks - http://lifeworks.com

October 2014 - Current

I develop LifeWorks web application, admin panel and internal tools. I build new responsive features from scratch and refactor existing ones. I work closely with UX/UI designers and API developers.

I developed new features and re-usable components on the web application with React. I implemented a NodeJS middleware connecting the web application with external APIs. I built two internal tools for ressources management in Clojure/ClojureScript with the Re-Frame template. I refactored features and flows of the client web application from AngularJS to ReactJS with Redux and Flow implementation. I contributed to the technology migration from Gulp to webpack of the admin panel. I built from scratch the sales website and introduced new animations and UI libraries.

Clojure/ClojureScript, Re-Frame, Redux, Flow, ReactJS, Express/NodeJS, ES6, Webpack, VelocityJS

Full stack developer intern

Infotel Conseil - http://www.infotel.com/

January 2014 - August 2014

I developed from scratch a responsive web application, API and Android application, from the business requirements to the deployment. I worked in collaboration with the business team, client and product owners.

I contributed to the technologies analysis, to find the right tool. I captured the business requirements. I worked on the data model and implemented from scratch the NodeJS REST API. I built from scratch the Android application as well as the responsive web application using AngularJS. I implemented real-time communications between the clients and the API with web sockets.

AngularJS, Bootstrap, ExpressJS, SailsJS, SocketIO, Google Maps, Grunt, Android SDK, MongoDB

Education

Master Degree in Computer Science - 5 years (2009 - 2014)

Institut National des Sciences Appliquées de Toulouse (I.N.S.A. http://www.insa-toulouse.fr)

I learnt physics, computer science, software development, electronics and embedded systems. I worked on university projects for differents companies, mainly for the research public company L.A.A.S. (https://www.laas.fr). I built Android applications and system software controls. I collaborated on the Loclib projects, aiming to localise a Parrot Drone in real-time using the Kalman Algorithm (https://github.com/clems4ever/ardrone_loclib).

Exchange semester - 6 Months (2013)

Linkoping Universitet (http://www.liu.se)

Exchange semester in Sweden. I learnt electronics related to radio frequency, system on chip designs, physics and web development. I worked on international projects focusing on creativity and innovation in systems and programmation.

Skills

Front-end

ClojureScript

ReactJS/ES6

Redux/ImmutableJS

Webpack

Elm

Back-End

Clojure

NodeJS

Datomic

MongoDB

Firebase

UI/Design

Bootstrap

Sematic UI

Sketch

VelocityJS

Testing

Clojure Specs

Karma/Jasmine

Phantom JS

Mocha

Side Projects

Hummingbird Shipping LTD

Founder

Social shipping web application. I've built the whole product in close collaboration with a UX/UI designer. From the requirements to the product itself. Based on ReacToGo, I've built the front-end with Redux/React/Immutable and the REST API with ExpressJS/MongoDB. Currently at the very last stage before releasing, more details on requests.

PBRT Website

http://pbrt.co

My personal responsive website built with ReactJS and Webpack. I learnt about UI and animations with ReactJS.

ReacToGo

https://github.com/PBRT/reactogo

Kickstarter project open-source to quickly start a project using all the lasted front-end librairies, easy to use. This boilerplate includes React, Redux, ImmutableJS, React Router, Firebase, React Motion, VelocityJS, Gulp with Webpack, Stylus pre-processor and an Express server. Everything is built-in, using Webpack dev server including Hot Module Replacement for the development and all the scripts needed for deploying to production. I built and used this boilerplate for my personal website and other side projects.

Free time

I love travelling and discovering new places and cultures. I like electronic music and love to see dj shows. I am originally from south of France so naturally one of my greatest hobbies is snowboarding and mountain hiking.