






PEDRO PEREIRA

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PROFILE

I am a "full stack" Software Engineer used to work with different kinds of technology, but recently more focus on Frontend development in ReactJS.

I have a great academic background but I always seek to further develop my knowledge. I have a strong orientation for problem solving, tempered with commercial realism.

I love to learn new technologies and I spend some of my personal time building new solutions to improve my knowledge in developing software. I'm very interested in Software Architecture and Performance Optimization. I am willing to learn and to improve myself every day.

Currently I am working in Web development both frontend and backend development using HTML5, ReactJS, Typescript, NodeJS for Frontend. I have some exposure to CI/CD using Jenkins, TeamCity and even using AWS console for overall configuration and deployment of web apps and services.



EDUCATION

Software Engineering | Instituto de Engenharia de Coimbra - ISEC

SEP 2006 – SEP 2009

- Bachelor Degree with Score 15 (0-20) - Equivalent to 1st Class Degree.
- Final year thesis: Development of a Middleware in UNIX- C++, in order to control and interconnect various devices and services in a simple manner for the user. This project was involved in a European project name Bedmond. More info <http://ibernex.es/project/bedmond/?lang=en>



EXPERIENCE

Senior Frontend Developer | LetsGetChecked

MAR 2021 – PRESENT

- Development from scratch of a SSG site in gatsby
- Development of reusable components
- Main Tech: ReactJS, Gatsby, GraphQL, TypeScript, X-State

Senior Frontend Developer | DashDash/Rows

SEP 2019 – FEB 2021

- Development of a web app that is a spreadsheet for builders (<https://dashdash.com/>), that gives the user the ability to use spreadsheets and the normal skills of using excel, google sheets to build apps, automate tasks and be able to build databases from the day to day spreadsheet skills
- Development of reusable components
- Main Tech: ReactJS, Mobx, GraphQL, TypeScript, Webpack, Material-UI

Contract Senior Frontend Developer | Demonware

OCT 2018 – AUG 2019

- Development of a web application that provides helpful information about the different games for the game studios, information about the servers, management of tests.
- Development of reusable components
- Main Tech: ReactJS, Redux, GraphQL, JavaScript, Webpack, Python, Elastic Search.

Contract Lead Senior Frontend Developer | Infinite Software

APRIL 2018 – OCT 2018

- Development of a complex application that would allow to visualize different types of threats on a map with the ability to generate different types of reports of incidents/threats (hurricanes, wild fires, etc...) and be able to contact people by phone, video, sms, email.
- Development of websockets using AWS and Apollo.
- Implementation of concurrent sessions of phone calls, sms and email polling.
- Creation of Reports from geofence on a map, creation of images with different sets of data for each client.
- Implementation of multi tenancy.
- Implementation of visual layers on a MapboxGL map (location of people, buildings, live data of weather, fires provided by AERIS)
- Development of reusable components
- Main Tech: VueJS, Vuex, GraphQL, Typescript, Webpack, PostgreSQL, MongoDB, ElasticSearch.

Contract Senior Software Developer | Easytrip

NOV 2017 – APRIL 2018

- Development of a POC SPA using Typescript, ReactJS and Redux.
- Development of a microservices to process discounts based on rules defined per client, location, company, transaction and/or amounts.

- Development of a small app for Android in React Native to show a list of discounts and would be able to filter by date and a specific Id.
- Implementation of a functionality for generating payment receipts to be sent to emails and SMS based on financial transactions.
- Implementation of promotion of products in a Spa developed in Angular Js 1.X
- Maintenance of legacy software developed in Web forms, C#, Asp.Net 3.5
- Development of reusable components in ReactJS.
- Use of Redux for predicting the state of the web application.

Contract Senior Software Developer | AON

FEB 2016 – NOV 2017

- Development of a SPA using Typescript, ReactJS and Redux.
- Development of reusable components in ReactJS.
- Development of a POC in React Native
- Use of Redux as framework for predicting the state of the web application
- Use of Typescript for type checking, Inheritance, classes and better tooling support and have the same flexibility of Javascript.
- Test Driven Development
- Use of KarmaJS as the test runner environment.
- Use of MochaJS as the test framework to write the tests.
- Use of React Test Utils for testing the UI Components written in ReactJS
- Gulp for running build and running tasks.
- Continuous integration using TeamCity.
- NPM as package manager for the Web App.
- Scrum
- .Net Core
- SQL Server & T-SQL
- SVN/Git.

Senior Application Developer | eMaint

JAN 2015 – FEB 2016

- Development of a CMMS using C#, Asp.Net MVC5 , Javascript, AngularJS, ReactJS and Web API.
- Development of small mobile app using Ionic, AngularJS, ReactJS and Cordova to read and store locally to use offline and sync to the cloud when online.
- Development of a small server in NodeJS for testing the mobile app.
- Development of a small module to integrate with Quartz.net to request for schedules and trigger events for the CMMS based on the type registered. Deployment as a worker role in Azure.
- Test Driven Development
- Unit Tests with xUnit.
- Acceptance Tests in Specflow
- End to End test with ProtractorJS
- Continuous integration using TeamCity.
- Scrum
- SQL Server & T-SQL
- Git

Senior Lead Windows Phone Developer | MobileAware

JAN 2014 – DEC 2014

- Developing projects in Windows Platform (Windows Phone 8/Win 8/ Universal Apps) for major companies in the Telco and travel market,
- Developing frameworks (UI, Analytics, Business Logic) for speed up in the development of the new applications.
- Development of PCL projects for reusable code between the window store apps.
- Created portable libraries for shared logic in WP and Windows 8.
- Microsoft Blend as tool for small design, animation and UI tweaking.
- Mentoring and supporting in development a small team of developers for the projects in WP/Windows 8.
- Developed Tesco Mobile UK Windows Phone 8 – 10k Downloads and 233 reviews (4.5 Stars)
- Developed Tesco Mobile UK Windows 8.1.
- Using Git as distributed revision control and source code management (SCM).

Contract Senior Software Engineer | Pixalert

JUL 2013 – DEC 2013

- Development and maintenance of the software Pixalert Auditor in Winforms and migrating to a version in ASP.Net MVC 4, HTML5, Javascript, CSS3, JQuery
- Maintenance of project in C++ for a library for Licensing.
- Using Git as distributed revision control and source code management (SCM).
- Continuous integration using TeamCity.
- Scrum
- SQL Server & T-SQL
- Git

Contract Senior Software Engineer | ISA – Intelligent Sensing Anywhere

JUL 2012 – JUL 2013

- Design and developing of the site <http://mydata.cloogy.com/?lang=EN> using ASP.NET MVC3, Entity Framework 4, developed queries in LINQ and PL/SQL.
- Cloogy: <http://www.isasensing.com/uk/pagina/126/o-meu-cloggy/>
- Development and maintenance of the software Kisense, that consists in analyzing and processing data read from sensors energy in order to be displayed as format charts, tables Controls with high usability.
- Planning and Development at the level of User Experience in Silverlight / WPF.
- Worked with WPF/Silverlight, C#, WCF Services in the project Kisense, developing new functionalities for energy supervising for the business clients. Reusable code and optimization of LINQ queries. Kisense: <http://www.isasensing.com/uk/pagina/98>
- Design and developing WCF and Rest Web Api Services to the service side using LINQ TO SQL queries using techniques of performance and big data.
- Design and development of SQL queries in SQL server 2008 and 2012 in both projects that maintained.
- Work tools: VS 2010, VS 2012, SVN, JIRA, SQL Management Studio 2008/2012
- SCRUM as methodology and software development work. Used CMMI for development in the process of developing Software.
- Development of UML, workflows, and breaking into user stories.

Software Engineer | INFOS

MAR 2011 – JUN 2012

- Development and maintenance of software MaxiRetail, analysis and documentation of all modules to be developed (UML, Use Case). Development of various interfaces in WPF UI Backoffice product MaxiRetail 2011 and 2012, using C#, design pattern MVVM, WCF services, LINQ, SQL 2008.
- Development of a cross-platform application in Phonegap, ASP.Net MVC 3 for sales income search in daily, monthly and yearly views.
- Development in Winforms POS modules Maxiretail 2011 and 2012.
- Work tools: VS 2008, VS 2010, TFS, SQL Management Studio 2008/2012, Microsoft Expression Blend 3 and 4.
SCRUM

WPF Software Engineer | HIS – Health Innovation Systems

SEP 2009 – MAR 2011

Software development in the area of Health, which was involved in developing from the beginning a project based on .Net and N-Tier architecture.

- Specialization in WPF UI Controls
- Worked with C # and enriched my knowledge in technologies WPF, Silverlight, WCF services, Linq and PL/SQL database in SQL Server 2008.
- Development and optimization of code in the UI Layer.
- Used work tools: TeamSystems VisualStudio 2008, SQL Server 2008 Management Studio Express, Microsoft Expression Blend and Design.
- SCRUM



SKILLS

- | | |
|---------------------|-------------------------|
| • ASP.NET MVC | • JQuery |
| • Node.JS | • MongoDB |
| • ReactJs and Redux | • CSS 3 |
| • AWS | • Serverless Deployment |
| • Dynamo DB | • Azure |
| • .Net C# | • SQL/Oracle |
| • HTML5 | • Web API |
| • AngularJS | • WCF |
| • Javascript | • MVVM |
| • Typescript | |



ACTIVITIES

- Sport
- Games
- Movies



PROJECTS

- My personal website - <https://oizie.github.io/>
- Easytrip Portal - <https://my.easytrip.ie>
- Tesco Mobile – WP8/8.1 - <http://www.windowsphone.com/en-gb/store/app/tesco-mobile/14fa2c1a-bccc-4350-bd10-9420a73536ca>
- Card Auditor - (WCF Service) - <http://www.pixalert.com/products-services/data/card-auditor.html>
- Kisense – Silverlight & ASP.Net WebApi – https://www.youtube.com/watch?v=ww-J_spzgkc
- Cloogy – ASP.Net Web Api - <http://www.cloogy.com/en/>
- MaxiRetail - <http://www.infos.pt/main.php?id=255>
- Francesinhas – WP8/8.1 - <http://francesinhas.com/> - (Personal project)