André Pena

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I'm self-motivated and passionate about software development and technology in general. I enjoy learning new frameworks, libraries and tools. I like to participate in online communities like Stackoverflow, contribute to open-source on GitHub, and lately I've passing a fair amount of time solving algorithm problems on Hackerrank to stay sharp.

Professionally, it's been 10 years implementing line-of-business multi-tenant SaaS applications. I've developed several frameworks and component libraries, mainly using C#, ASP.NET WebForms and MVC, Node.js, jQuery, React / Redux, Entity Framework and SQL Server. On my day job, I'm currently working as architect and tech lead of a practice management solution for lawyers called Legal One. We're currently implementing the next generation of Legal One using Vue.js in the client and a revamped architecture in the server meant for extensibility and scale.

I currently work on an international and very diverse team so I'm acquainted to work remotely and dealing with tele-conferencing and not easy to deal with time-zones. Besides, I'm well acquainted to large-scale, enterprise application architecture.

During the last 2y+, I've been working more intensively with JavaScript frameworks and SPAs. I'm well-acquainted to React and its stack: ES2015, Node, Babel, Webpack, Gulp, React, Redux and Vue.js. I'm also familiar with CSS, Less, Sass and Bootstrap. Even though I'm a architect and tech-lead, I never stopped coding. Also, I'm inclined to the front-end and I have good taste for design and user experience.

On my free time, I work on several open-source projects, better take a look at http://andrerpena.me/. Currently I'm focused on react-mde, which is a React based Markdown Editor and on L1PM which is a Chrome Extension to add User Experience and features to the product I work on my day job, Legal One.

I'm all about best practices. I always keep extensibility, maintainability, scalability and testability in mind. I'm a big fan test driven development and agile / Scrum. I'm pretty confident with Microsoft Testing, Karma and Mocha. Lately I've been quite interested in DevOps, even though I'm still learning.

I have certifications in HTML5, CSS3, JavaScript, C# and ASP.NET.

My Stackoverflow and GitHub profiles:

- *http://stackoverflow.com/users/192729/andrerpena*
- *https://github.com/andrerpena*

I speak English and Portuguese fluently, and I can communicate in Spanish.

Technical Skills

Likes:	.net c# javascript asp.net-mvc entity-framework git agile azure saas rethinkdb ninject signalr twitter-bootstrap node.js reactjs redux ecmascript-6 gulp html css mocha karma-runner scrum docker vagrant
Dislikes:	php

Experience

Software architect / Lead web developer – Thomson Reuters   *Sep 2012 → Current*
c#, html, entity-framework, javascript, css, asp.net, .net, sql-server, node.js, reactjs, redux, python

Responsibilities:

- Architect a framework for implementing large-scale data-centric business applications.
- Help creating POCs and implementing such framework.
- Provide guidance for developers when it comes to best practices, scalability, extensibility and maintainabilty.
- Drive innovation and propose modern and efficient solutions according to evolving industry standards.

Challenges of the projects we create:

- Create a platform for making it easy to create SCRUD heavy applications.
- Make the applications localizable, both in terms of translation, number/date formats and multi-currency support, as well as providing a way for the regions to customize the views and behavior.

Examples of problems we tackle:

- How to implement localization, including time zones, currency, number and date formats and translations?
- How to make the application modular? That is, how to deliver only some particular modules depending on the customer demands?
- How to deploy an application in a country that have variations in the data fields, business rules and texts. How to implement the differences without forking the original application?
- How to make the applications extensible to the end user? A key point to go global with a line of business App is to give the most flexibility to the end user. He/she must have the ability to customize texts, change the application data fields and manipulate the layout.

Tech lead / Senior Web Developer – Novaprolink Tecnologia   *Jun 2009 → Aug 2012*
.net, c#, asp.net-mvc, entity-framework, mstest

We migrated our line-of-business web framework to ASP.NET MVC using Entity Framework as the ORM solution. I was the tech lead in the process, helping creating the framework to support the developers and making them productive.

I was responsible for:

- General application layout (HTML, CSS and JavaScript)
- jQuery plug-ins development
- ASP.NET MVC helpers, specially to make it easy to create data-driven forms, and integrating with the jQuery plugins.
- Entity Framework architecture.
- Access Control.
- Licensing.
- Reporting.
- MSTest architecture.

Web Developer – Novaprolink Tecnologia   *Jun 2007 → May 2009*
.net, c#, webforms, winforms, designer, visual-studio-addins, orm

We started developing a framework for creating line-of-business / model-driven apps for ASP.NET WebForms. I was involved in every aspect of the design, from the ground up:

- Visual Studio Add-ins development.
- Data Access Layer with DevExpress eXpress Persistent Objects.
- Web-Control development, involving both client and server side, emphasizing rich data-aware capabilities.
- Web-Control designers development (Windows Forms applications aimed to enhance the developer experience while designing controls)
- Application flow: Authentication, Authorization, Access Control, Licencing, Testing...

This project has been deprecated in favor of a newer one. I'm no longer active with ASP.NET Webforms and Visual Studio Add-ins development

Intern – JGP   *Jun 2006 → Jun 2007*
adobe-flex, java, action-script, cairngorm

I was a intern working with Adobe Flex and Java for a stock market consulting company. I worked with both the front-end and back-end. This period allowed me to get very familiar with object orientation and web-services.

Education

Bachelors in Information Science (Currently studying remotely) – Universidade Estácio de Sá   *2015 → Current*

Bachelors in Computer Science (Unfinished) – Universidade Federal de Juiz de Fora   *2007 → 2012*
java, c, c++

Bachelors in Computer Science (dropped because I moved to another city) – Universidade Federal do Rio *2006 → 2007*
de Janeiro
java, c, c++

This is where a learned the foundation of object oriented programming and design patterns. The most interesting project I worked on was a Java based MP3 player like Winamp called jNoiser. This is also where I learned the foundations of mathematics.

Certifications

Microsoft Specialist: Programming in HTML5 with JavaScript and CSS3 *Nov 2016 → Current*
html5, css3, javascript

Microsoft Specialist: Programming in C# *Sep 2016 → Current*
c#, .net

Microsoft Certified Professional *Apr 2012 → Current*
c#, asp.net, .net

Microsoft® Certified Technology Specialist: .NET Framework 4, Web Applications *Jan 2011 → Current*
c#, asp.net, asp.net-mvc, .net

Projects & Interests

Stack Overflow – http://stackoverflow.com/users/192729/andrerpena *2009/10 → Current*

Written 295 answers. Active in .net, c#, css, entity-framework, javascript and 6 other tags.

react-mde – https://github.com/andrerpena/react-mde *Dec 2016 → Current*
node, ecmascript-6, reactjs, gulp

React Markdown Editor inspired by GitHub

redux-autoform-bootstrap-ui – https://github.com/andrerpena/redux-autoform-bootstrap-ui *Jul 2016 → Current*
javascript

Bootstrap UI extension for redux-autoform

redux-autoform – https://github.com/andrerpena/redux-autoform *Jul 2016 → Current*
javascript

Create Redux-Forms dynamically out of metadata

L1PM – https://github.com/andrerpena/legalone-pacote-melhorias *Jul 2016 → Current*
vue.js, sass, node.js, gulp, google-chrome-extension

A Chrome Extension to add user experience and new features to Legal One, the project I work for on my day job.

quotr – https://github.com/andrerpena/quotr *Oct 2015 → Current*
javascript

A Node.js CLI for displaying stock exchange quotes

react-metaform – https://github.com/gearz-lab/react-metaform *Aug 2015 → Current*
javascript

A library for dynamically generating React forms out of metadata

chatjs – https://github.com/andrerpena/chatjs *Sep 2014 → Current*
typescript

Platform-independent jQuery plugin for chatting

SmartRecords – https://github.com/andrerpena/SmartRecords *Aug 2013 → Current*
c#

A simple .NET report generation library

Cerebello – https://github.com/andrerpena/Cerebello *Apr 2012 → Current*
c#

Medical practice administration system

Others

Background – Background

I'm a full-stack web developer with experience in C#/ASP.NET and Node.js, as well as HTML, CSS and JavaScript/jQuery/React

e-mail: andrerpena at gmail.com

Readings

C# in Depth, 3rd Edition – Jon Skeet – http://www.amazon.com/Depth-3rd-Edition-Jon-Skeet/dp/161729134X

Secrets of the JavaScript Ninja – John Resig, Bear Bibeault – http://www.amazon.com/Secrets-JavaScript-Ninja-John-Resig/dp/193398869X

Tools

First Computer: 486 DX2
Favorite Editor: Visual Studio Code