Omar Castro
Curriculum Vitae

Contact

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Languages

🇵🇹 **Portuguese**   🇬🇧 **English**   **German**
🇪🇸 **Spanish**   **French**
Fluent   **Basic**

Experience (1 / 2)

Tester, PT Inovacao, Nov 2014 - Jan 2015

- Create Java framework that simplifies the initialization and configuration of Selenium broswers
- Improve framework by implementing a feature to run selenium tests on a virtual frame buffer with Xvfb
- Create tool to record tests on video format
- Create end-to-end test framework using java and Selenium
- Managed tests on a product team

Keywords : Java 6, Selenium 2, Xvfb, ffmpeg, avconv, YAML

Web Developer, PT Inovação, Jan 2015 - May 2017

- Create Angular components that interacts with external libraries such as Datatables, Select2, Bootstrap, etc...
- Implement frontend base module using Play framework as the server and AngularJS as the client
- Work with the team to create a module that visualizes the history of all communications that passes throught the solution
- Understand the challenges and pitfalls on creating critical systems by working on the backend durinfg the creation of a module that manages generic operations, worked on JBOSS 5
- Begin application of Agile methodologies in development, use SCRUM
- Create Ansible tasks to deploy projects to servers
- Create Jenkins tasks to build and deploy jars to maven repository and rpms to yum repository, execute tests, and publish test execution reports
- Create, review and approve issues on JIRA
- Integrate tests results to JIRA
- Upgrade project dependencies, specially Play Framework to versions without backward compatibility
- Create tools to synchronize JIRA tests with the test on the SVN server
- Write project documentation on Atlsassian Wiki

Keywords : Java 7, Selenium 2, Scala (Play Framework), Maven, Javascript ES5, AngularJS 1.4, Bootstrap 3, UnderscoreJS, jQuery, JBoss5, Jenkins, JIRA, Atlassian Wiki, SVN, Ansible, SCRUM, Agile

Web Developer, Altice Labs, May 2017 - Jan 2018

- Create Angular components that interacts with external libraries. Namely Datatables, Select2, Bootstrap, and others
- Implement frontend base module using Play framework as the server and AngularJS as the client
- Use Docker with Docker Compose to create and manage containers on local machines or on the CI environment to install our projects
- Upgrade Play Framework, again to a version without backward compatibility. At the same time, upgrade java to version 8.
- Document instructions about the steps to upgrade Play Framework on Atlassian Wiki for other teams.
- Continue test management
- Add JS Unit test mocha

Keywords : Java 8, Selenium 2, Scala, Play Framework, Maven, Javascript ES5, Mocha, AngularJS 1.4, Bootstrap 3, UnderscoreJS, jQuery, JBoss5, Jenkins, JIRA, Atlassian Wiki, SVN, Ansible, Docker, Docker compose, SCRUM, Agile

Experience (2 / 2)

Senior Web Developer, Altice Labs, Jan 2018 - Now

- Split Play application modules to run modules separate VM or machine
- Recofigure Ansible and Docker compose to install module
- Apply methodologies in web development, namely Flux and BEM
- Create store manager based on Redux
- Migrate angular application, a JS ES2015+ application with Webpack, Babel and Web Components
- Architect web components using Custom Elements
- Create demo of web components created using Custom Elements
- Migrate unit tests to Tape
- Unit test web components with Tape and JSDOM
- Move from SCRUM to Kanban

Keywords : Java 8, Selenium 2, Scala, Play Framework, Maven, Javascript ES2017+, Webpack, Babel, Tape, JSDOM, Web Components, Custom Elements, AngularJS 1.7, Bootstrap 3, UnderscoreJS, jQuery, JBoss5, Jenkins, JIRA, Atlassian Wiki, SVN, Ansible, Docker, Docker compose, Redux, Kanban, Agile

Open source projects

xema, NPM package
https://www.npmjs.com/package/xema

A schema validator with subset check and data generation

Keywords : Javascript ES2015, Node.js, NPM, Mocha

custom-element-directives, NPM package
https://www.npmjs.com/package/custom-element-directives

Javascript library that adds directives support to custom elements

Keywords : Javascript ES2016+, Node.js, NPM, HTML5, Web components, Custom Elements, Webpack, Babel, Tape, JSDOM

Education

Master of Science in Informatics and Computing Engineering, Faculdade de Engenharia da Universidade do Porto (FEUP) , Porto 🇵🇹 - July 2014
Thesis: Shellhive: Towards a Collaborative Visual Programming Language for UNIX Workflows"
Advisors: Prof. Hugo Sereno Ferreira & Tiago Boldt Sousa.