

Omar Castro

Curriculum Vitae

Contact

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github | github.com/OmarCastro

Languages



Portuguese



English



Spanish

Fluent



German



French

Basic

Experience (1 / 2)

Consultant, Withus, Nov 2014 - Now

- Consulting for Altice Labs (previously PT Inovação)

Tester, PT Inovação, Nov 2014 - Jan 2015

- Create a testing framework, in Java, that simplifies the initialization and configuration of Selenium browsers for the entire department
- 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

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

Web Developer, PT Inovação, Jan 2015 - May 2017

- Maintain product Fulfillment One: a platform that provides a mediation layer between the OSS (Operation Support System) and the network
- Develop module History: Audits all communication that passes through the mediation layer
- Develop module MPT: Schedules & executes massive operations (e.g. upgrade firmware of all devices used to provide internet access in a district or country)
- Create Angular components that interacts with external libraries such as Datatables, Select2, Bootstrap, etc...
- Create, review & approve issues. Manage integration tests using JIRA
- Upgrade project dependencies, specially Play Framework to versions without backward compatibility
- Pioneer the application of Agile methodologies in the company

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

Web Developer, Altice Labs, May 2017 - Jan 2018

- Maintain module History & MPT
- Develop module NADM: Provides an ACS (Automatic Configuration System) to simplify installation of devices to provide a service. Simplify diagnostics and recover failures remotely
- 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

Keywords : Web, Development, QA, Java 8, Selenium 2, Cucumber, 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 - Oct 2021 (Remote Work from March 2020)

- Maintain module MPT & NADM
- Develop module Monitoring: Monitors operation workflows, allowing for better diagnostics and manual intervention
- 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
- Train people to enter in web development through training sessions and workshops

Keywords : Web Development, QA, Java 8, Selenium 3, Cucumber, Scala, Play Framework, Maven, Javascript ES2017+, Webpack, Babel, Tape, JSDOM, Web Components, AngularJS 1.7, Bootstrap 3, UnderscoreJS, jQuery, JBoss, Jenkins, JIRA, Atlassian Wiki, SVN, Ansible, Docker, Docker Compose, Redux

Tech Lead Web, Altice Labs, Oct 2021 - Now (Remote Work)

- Maintain module MPT, NADM & Monitoring
- Develop product smarthome: A platform that manages & integrates smarthome devices
- Discuss and approve technologies/tools/frameworks that we are going to use for development, code analysis, automated testing, automatic generation and publishing of documentation/Docker images;
- Discuss with other teams on how to integrate reusable tools created in-house to simplify product maintenance
- Create interactive documentation to help in the onboarding process
- Personally solve difficult issues that are outside the competence of my team members
- Give hints in how to solve fairly complex problems so that my team members can solve them
- Discuss the priority of the current sprint issues
- Review code with Crucible, and discuss improvements
- Train people to enter in web development through training sessions, workshops, even small daily quizzes! (the last one is for fun)
- Contribute to open source projects
- Migrate version control system, from SVN to Git.
- Review pull requests in Github, and discuss improvements

Keywords : Web Development, QA, Java 8, Selenium 3, Cucumber, Scala, Play Framework, Maven, Javascript ES2017+, Webpack, Babel, Tape, JSDOM, Web Components, AngularJS 1.7, Bootstrap 3, UnderscoreJS, jQuery, JBoss, Jenkins, JIRA, Atlassian Wiki, SVN, Ansible, Docker, Docker Compose, Redux, Crucible, git, Github

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.