



NELSON RICARDO

Senior Software Engineer



CONTACT ME



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nricardo.github.io/resume



Lisboa, PT



SKILLS

Web Development



Languages



Mobile Development



PROFILE

👨‍💻 Experienced and motivated software engineer focused in web technologies :: Design, architecture and implementation of web and mobile applications using the latest tools and best software practices. Advocate of the Javascript language and its frameworks, currently focused in NodeJS and React / React Native.

Knowledge in software development processes, from requirements and analysis throughout design, implementation and testing. Worked under R&D environment, doing requirement analysis and writing technical project documentation.

Professional experience in OO programming languages, such as C/C++ and Java, but always open to learning new ones and new software processes and methodologies.



WORK EXPERIENCE

Truphone

www.truphone.com

📅 Apr 2018 - (present day)

Senior Software Engineer | Fullstack Developer

RSP Portal - Lead the architecture, design and implementation of Truphone's first web portal for the RSP platform (<https://web.truphone.com/telecoms/consumer-rsp/>) using ReactJS, including the backend service (BFF) responsible to route access to the different internal layers of microservices. Implemented the security layer using Keycloak IAM solution as well the auditing system when accessing the service. Responsible for the design, implementation and testing of a full-fledged UI component library from the ground up with the collaboration of the UX/UI team, making Truphone's brand and vision integrate into our products, making easy the transition and adoption of React components into new projects/portals. Contributed and helped on the early adoption of migrating services to AWS cloud infrastructure, discussing best-practices and architectural approaches for each service that best matches our goals.

My Truphone App - Bootstrapped 1st Truphone's mobile application for purchasing global data plans and installing them on **eSIM** capable devices (iOS and Android) - Help projects/services moving towards a microservices architecture.



CAP-HPI

www.cap-hpi.com

📅 Jan 2018 - Apr 2018

Senior Software Engineer | Fullstack Developer

Improve and implement new features on CAP-HPI's car evaluation sites (<https://hpivaluations.com/>). [Nearshore project (fullstack)]



BNP Paribas Portugal

www.bnpparibas.pt

📅 Jun 2017 - Dec 2017

Senior Software Engineer / Web Developer

Design and implementation of a software solution for staff management and project planning (time allocation, skill management, ...).





CONNECT

github.com/nricardo

[linkedin.com/in/nsrcardo](https://www.linkedin.com/in/nsrcardo)

facebook.com/nelson.ricardo.56

Media Capital Digital / TVI

📅 Sep 2016 - Jun 2017

www.tvi.iol.pt

Senior Software Engineer / Web Developer

Improvements on the backend services/databases and the BackOffice (BO) frontend components. Build of a statistical/monitoring system and report generation for the overhall and day-to-day BO operations.

Implementation of a new frontend solution for creating clips from HLS (Live) streams.

Design and integration of the SSO authentication system, using OAuth2.



PHC

📅 Sep 2014 - Aug 2016

www.phcsoftware.com

Software Engineer / Web Developer

Drive FX (<https://www.drivefx.net>)

Implementation from the ground-up of the new platform / framework the FX project composed by Billing (invoicing), Business (management) and the POS components.



Coriant

📅 Apr 2010 - Jul 2014

www.coriant.com

System Architect

hiT7500 project

Specification and integration of 10G/40G/100G new generation transponders from hiT7300 platform / product.

Responsible for the technical specification and description regarding the characteristics and the capabilities of optical components supported by the system and their configuration settings.

hiT7300 project

Functional specification writer for the configuration management aspects of the northbound interfaces used by network management systems.

Responsible for the implementation of a new concept for writing the specification documentation using a DSL (Domain Specific Language) called YANG.

Design of the entire framework used for the automatic productions that produces releases (issues) of the mentioned documentation in PDF format and an online version using WordPress as a CMS platform. Jenkins was the choice as a CI (Continuous Integration) tool. The framework uses ANT to give support for the building process and SVN as the SCM (Software Configuration Tool).

The framework is responsible for the syntax verification of YANG modules, schema generation (XSD's, XML's, RelaxNg and Schematron), HTML transformation, publishing and deployment of the resulting HTML files into CMS server.

NGOA project

Responsible for the research and gathering of technical, functional requirements as well as defining the management interfaces of next generation ONUs.

Analysis on the business perspective, for home and business use cases, where the product would have practical and efficient application.

Investigation on hardware equipment between chipsets and their interfaces in order to meet the specified requirements.

Development and proposal of several solutions of HW (designs) that satisfied the two business areas.



Wincor Nixdorf Portugal

www.dieboldnixdorf.com/en-us

📅 Oct 2008 - Mar 2010

Software Engineer

TPLinux project

Development of new features and maintenance of the POS as well as the back-office applications.

Proview project

PoC (Prof of Concept) and Roll-Out of the monitoring of ATM's agent.

Manage incidents / problems in the customer's ATM network with WN. Establishing correlations and filters for early identification of anomalies in HW. Design and integration with external tools (SIBS / EMIS).

C C++ Java HTML5 CSS3 PHP Wordpress MySQL Apache Web Server (LAMP)

Siemens / Nokia Siemens Networks

📅 Jan 2005 - Sep 2008

www.siemens.com/global

Software Engineer

OCU / MTS project

Analysis, design and development the embedded application (Linux OS) for the control and management of devices (ASICs/FPGAs) and optical modules (lasers) used in DWDM optical networks.

Test specification and integration between SW and HW.

Customer support in the optimization and correction of deployed systems on their networks.

Improvements of the production environment and code generation (Makefiles / Scripts).

INOV project

Submission of an Invention Report (patent candidate) of a control algorithm for spectral power distribution used in optical DGE modules with the title 'Efficient Signal Equalization via Real Time Adaptation of Gaussian Filters'.

C/C++ IBM Rational Rose (UML design and code generation) IBM Rational ClearCase (Configuration Management)



EDUCATION

Instituto Superior Técnico

tecnico.ulisboa.pt/en

📅 Sep 1996 - May 2004

Computers and Electronic Systems

Frei Gonalo de Azevedo Secondary School

esfga.pt/expsitenovo

📅 Jan 1987 - Jan 1996

Scientific and Natural course: Electrical / Electronic technological