

António Nuno Monteiro

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Summary

Curious by nature and a geek per se, an open source enthusiast with a passion for continuous learning, software engineering and delivering value by designing and developing well-tested, maintainable software.

After being introduced to programming as a freshman Electrical Engineering student, António quickly realised that he wanted to pursue a Software Development and Engineering career, dropping out to study Computer Science and Engineering. From 2010 to 2014, he studied and graduated in Computer Science, but didn't settle for what was being taught in classes, teaching himself a variety of skills outside the scope of the *curriculum*, such as Python and Bash programming, L^AT_EX and Beamer typesetting.

His curious by nature mindset took him to acknowledge the benefits of TDD/BDD and Extreme Programming methodologies, leading him to embrace that culture in his work and personal projects. While at his first job, he did not only absorb every bit of knowledge he could, but also developed a personal, out of the job interest in Full-Stack JavaScript, Node.js development and Document Oriented NoSQL databases. Having recently taught himself the Clojure programming language, he's become a functional programming fan more than ever.

His passion for learning led him to quit his job and move to Germany in 2014, where he currently pursues a Master's degree in Distributed Systems Engineering, at the Technische Universität Dresden.

Experience

TU Dresden - Fakultät Informatik - Systems Engineering Group

Studentische Hilfskraft

DRESDEN, DEUTSCHLAND

Feb '15 – Present

Student Research Assistant at the Systems Engineering Group of TU Dresden. Tasks include development and analysis of distributed systems such as Zookeeper and client implementations in Python.

Safira

Software Developer

LISBON, PORTUGAL

Sep '13 – Sep '14

Safira is a Portuguese IT consulting boutique focused on improving the way organisations do business, mainly through IBM BPM applications. In charge of designing and developing IBM BPM process applications to the company's clients. Delivering consistent, production ready JavaScript (mostly plain JavaScript – on the server –, jQuery and Dojo – on the client side), Java and SQL code. Administering WebSphere servers and clusters. Analysing and delivering performance optimisations on the applications and the WebSphere JVM.

CMVM - Comissão do Mercado de Valores Mobiliários

Summer Intern

LISBON, PORTUGAL

Jul '13 – Sep '13

CMVM, the Portuguese Securities Market Commission, is responsible for supervising and regulating securities and other financial instruments markets (traditionally known as "stock markets") in Portugal. The summer internship was focused on helping implementing the ITIL standard within the IT department of the organisation.

Please refer to my LinkedIn profile for a more complete list of work experiences along with recommendations.

Education

Technische Universität Dresden

DRESDEN, DEUTSCHLAND

MSc – Distributed Systems Engineering

2014 – present

Focused on systems engineering, fault tolerance and scalability, distributed systems and its applications and software engineering.

Faculdade de Ciências e Tecnologia - UNL

CAPARICA, PORTUGAL

BSc – Computer Science & Engineering

2010 – 2014

Finished with a grade point average of 16/20. Focused on algorithms and data structures, distributed systems and networks, and databases. Picked up quite some Java skills in the process.

Escola Secundária Fernão Mendes Pinto

ALMADA, PORTUGAL

Science and Technology (pre-university secondary education)

2002 – 2008

Finished with a grade point average of 18/20

Other Education / Certifications:

MongoDB University

M101JS: MongoDB for Node.js Developers (**Certificate**)

ONLINE

2014

Cambridge University

Certificate of Proficiency in English (CPE)

Grade B.

LISBON, PORTUGAL

2011

Academia de Amadores de Música

Musical Theory / Piano / Analysis and Techniques of Composition

LISBON, PORTUGAL

1999 – 2008

Completed the ABRSM equivalent of Musical Theory grade 8 and Piano grade 5. Finished the 3-year course of Analysis and Techniques of Composition, which focuses on a general understanding of the musical composition processes and techniques spanning from the 13th to the 21st century.

Skills

Technical expertise: Software design and development, with(in) a team. Big fan of Agile and XP (Extreme Programming) methodologies, TDD (BDD). Loves writing JavaScript/Java/Python, and has been appreciating functional languages such as Lisps (particularly Clojure/ClojureScript) further and further. Strong understanding of relational and document oriented databases; substantial technical skills in SQL/T-SQL. Solid knowledge of web technologies: HTML5, CSS3, XML, REST, SOAP, JSON, AJAX/XHR and JavaScript (mostly ECMAScript 5.1, Node.js and jQuery). Fan of Git as a distributed version control system.

Natural languages: Portuguese (*mother tongue*), English (*native or bilingual proficiency*), French (*limited working proficiency*).

Interests

Non-exhaustive and in alphabetical order: bossanova (music), databases, design patterns (software), distributed systems, functional programming, guitar, JavaScript, history, literature, music, open source, piano, programming, programming languages, programming paradigms, software engineering (best practices and methodologies), travel, UI/UX-design.