

André Albuquerque

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Summary

TODO: Summary geek with roots in the open source movement. Passionately enabling software-related teams to deliver. Creates/structures/improves processes. Architects and helps to implement future-proof solutions. Coaches both individuals and groups.

TODO: Biography At the age of seven (1989) Cies wrote his first lines of code in a LOGO-like language on an MSX (pre-PC). Two years later he attended a conference on an emerging new technology, the Internet, at the Erasmus University from which he would graduate 16 years later (2000) with a degree in Business Computer

Science.

After being introduced to the open source movement in 1997, he taught himself a variety of skills including system administration and programming (Bash, Python, Ruby & C++). By 2002 he got his pet project KTurtle —a zero-entry-barrier programming environment— included in KDE's *edu* module, and thereby in almost every Linux distribution.

Extensively travelled Europe and Asia after graduating. On return his professional life became a mix of hands-on work in startups and web software agencies, while settling as a husband and father in personal life.

Experience

Onfido

LISBON, PORTUGAL

Software Engineer

Oct '16 – present

Software engineer on the Identify team, maintaining our current provider integrations living in our Ruby on Rails monolith platform and creating new integrations/migrating old ones to new microservices in Ruby and Elixir.

- Created a [new S3 document storage microservice](#), using Elixir processes to implement a caching mechanism and performing the encryption/decryption tasks. Its usage reduced the network bandwidth of our document processing pipeline from 20 Mbps to 300Kbps).
- The text in the entries may be of any length.

Bank of Portugal, Payment Systems Department

LISBON, PORTUGAL

IT Expert, Advisor

Sept '14 – Sept '16

Overseer on the Payment Systems Department, advising and providing insights on IT subjects: SWIFT Continuity, Cyber security in FMIs, digital currencies, online payment solutions, development of new information systems. Represented the central bank on the ECB Oversight Group assessing the SEPA Direct Debit Scheme compliance.

- Wrote a comprehensive study on blockchain technology (82 pages), virtual currencies and their possible risks and impact on the financial system.

Bank of Portugal, Information Systems and Technology Department

LISBON, PORTUGAL

Team Leader

Jan '11 – Sept '14

Team leader on the IT Department, performed requirements analysis, improved and maintained some of our legacy systems. Defined the architecture of new projects and routinely supported the deployment of new versions to production environments.

- Developed several Web Services interfaces (using an ESB as a proxy when needed) within different applications to fetch the ECB's machine lists. XSD, WSDL, SOAP, ASP.NET Web Services, TLS/SSL certificates.
- Did the maintenance and new developments of the eligible assets database application, a Java web application. Spring Framework (MVC, IoC, Security – using LDAP –, JPA), Hibernate 3, MySQL, SVN.
- Contributed to the requirements analysis, defined the architecture and further development of two ASP.NET MVC web applications, allowing the banks to report information via extranet and its subsequent analysis using an intranet web app. ASP.NET MVC 3, NUnit, Microsoft SQL Server, jQuery, TFS.
- Did the maintenance, new developments (as well as support and on-call tasks) of our most critical system, TARGET2-PT, our integration with the European real-time gross settlement system. ASP.NET Web Forms, Microsoft SQL Server, Sybase, WebSphere MQ, SourceSafe.

BOLD International

LISBON, PORTUGAL

IT Consultant

Oct '10 – Jan '11

Developed a web application to support and enhance the Technical Support Front Office of the main Portuguese Telco. ExtJS, Spring Framework (MVC, IoC, Security), Java EE (EJB 3.0, HornetQ, JPA), Oracle DB, JBoss 5.1, BPM.

everis

LISBON, PORTUGAL

Consultant

Sept '09 – Sept '10

Performed the functional certification of the software developed in-house in a medium-sized Portuguese bank. AS/400 (IBM System i), DB2.

Please refer to André's LinkedIn profile for a more complete list of work experience along with recommendations.

Education

Instituto Superior Técnico —Univ. de Lisboa

LISBON, PORTUGAL

TODO: BSc in Business Computer Science (CS & Economics)

2004 – 2007

Main projects on the economics of open source and the semantic web (RDF/RDFS, OWL & SPARQL).

Technical University Delft

DELFT, THE NETHERLANDS

Industrial Design Engineering (*discontinued*)

2001 – 2002

Libanon Lyceum

ROTTERDAM, THE NETHERLANDS

VWO (Pre-University Secondary Education)

1994 – 2000

Skills

Technical expertise: Leading and recruiting teams of software engineers. Big fan of Agile methodologies, continuous delivery and functional programming. Enjoys writing Ruby/Python/Java/C++ and Haskell. Solid knowledge of the full web technology stack. Able to architect *and* implement distributed/HA systems. Strong Linux administration skills (e.g. Bash scripting, Apache/NGINX, Postgres/My/NoSQL, Elasticsearch). Well experienced with virtualization/containerization (Docker/Kubernetes, KVM, Xen and several AWS solutions) and DevOps (Puppet). Emacs user.

Natural languages: Dutch (*mother tongue*), English (*full professional proficiency*), German (*limited working proficiency*), French (*elementary proficiency*) and Mandarin Chinese (*beginner*).

Interests

Non-exhaustive and in alphabetical order: art, Buddhism, cryptography, functional programming, Go (board game), history, music (from classical and jazz to Berlin-techno), NLP, permaculture, philosophy, rock climbing, startups, travel, typography (e.g. graphic design, \LaTeX), UX-design and vegan cuisine.