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# ANDRES ALVAREZ

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[aalvarez.me](https://aalvarez.me)



## Web Developer & Software Engineer

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### Summary

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**Diligent and proactive Software Engineer** capable of designing and building performant and scalable cloud systems using different tools and programming languages according to the required needs of the business.

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### Core Competencies

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- Ruby on Rails
- Django
- Django REST Framework
- Python 3
- Ruby
- Java
- Netbeans Platform
- AWS
- Serverless applications
- Elasticsearch
- Test Driven Development
- Continuous Integration & Delivery
- Postgresql
- Git
- Linux
- Bashscript

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### Professional Experience

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- 2017 - Present      Backend Software Engineer  
*eLibro*
- Creation of service oriented architecture of book processing platform using Amazon Web Services.
  - Serverless micro-services for processing PDF files for images, content, and Optical Character Recognition (OCR) using Python and NodeJS.
  - Development of a content manager desktop Netbeans Platform Java application for uploading books en masse to cloud.
  - Django development for eBook viewing web platform and application.
  - REST API development using Django REST Framework.
- 2015 - 2017      Software Engineer  
*Industrial Technology Research Institute (ITRI)*
- Maintenance of ITRI's OpenStack and data center monitoring platform (PDCM).
  - Development of new features and add-ons for PDCM.
  - ZenPack development for Zenoss Core 4.
  - Integration between OpenStack's Ceilometer and PDCM.
  - Juju Charm development
- 2011 - 2011      SAP Developer  
*Grupo POPA*
- Development of add-on applications for SAP BusinessOne using Microsoft Visual Studio and SAP SDK.

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### Education

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- 2013 - 2015      Masters in Information Systems and Applications  
*National Tsing Hua University (NTHU), Taiwan*  
Research on botnet detection using network traffic analysis and machine learning
- 2008 - 2012      BSc Computer Science  
*Universidad Tecnológica Centroamericana (UNITEC), Honduras*

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## Languages

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- Spanish (Native Speaker)
- English (Fluent)
- Mandarin Chinese (Advanced)
- Russian (Beginner)

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## Certificates

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- TOCFL (Test of Chinese as a Foreign Language) Listening & Reading
- TOCFL (Test of Chinese as a Foreign Language) Speaking

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## Hobbies

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- Salsa, Bachata & Kizomba dancing
- Chess
- Weight training
- Reading
- Language learning
- Guitar