

# David Arias

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## Career Profile

Senior developer and technology enthusiast with more than 15 years of experience in several computer technology fields, including system administration, programming ( web applications, network services, desktop applications... ), design of user interfaces and user experience, cloud computing and scalability.

## Skills

- GNU/Linux (Debian, Ubuntu and RHEL/CentOS) and Windows system administration.
- Full-stack Web Development:
  - UI Design and UX.
  - Front-end development: HTML, CSS, JavaScript (React, Redux, EmberJS, WebGL... etc).
  - Back-end development: Python (Django, Celery, Bottle... etc) , PHP (Wordpress) and NodeJS (ExpressJS).
  - Database management and SQL: MySQL, PostgreSQL, SQLite, Microsoft SQL Server, MongoDB and Redis.
  - Infrastructure automation: Terraform and Ansible.
- Design and implementation of RESTful JSON APIs
- Desktop / Systems programming (C/C++), including network services, GUI Applications (GTK, WinAPI, Electron) and other utilities.
- Mobile development:
  - Android (Native)
  - Phonegap / Cordova
- Source code management systems: Git and SVN.
- Scripting tools: Bash, Python, Ruby and Tcl.
- Languages:
  - Spanish ( Native ).
  - English ( Full Professional Proficiency ).

## Free software projects

- [Jupiter programming language](#): A new programming language based on Smalltalk/Self with a functional twist.
- [Juno IDE](#): an IDE for Jupiter programming language.
- Shooting game ([JavaScript](#) and [Python](#) versions): A very simple game I use for teaching purposes.
- [JediScript](#): A lisp interpreter with clojure-like syntax.

## Professional experience

- Agroptima. A data driven management application for farmers ( 2018 – present ). Senior developer.
- Doofinder. A search engine for online shops ( 2018 ). Senior developer.
- Freelance Developer ( 2017 ).
- Opinno. Technology consulting ( 2016 ). Senior developer.
- Barcelona Code School. An academy based in Barcelona. ( 2016 ). Instructor.
- Catchoom Technologies. An augmented reality start-up ( 2012 – 2016 ). Senior developer.
- Tyche-Tech. Applications for small business ( 2010 – 2012 ) CTO.
- Nexium Customer Solutions. Technology consulting ( 2008 – 2010 ) Junior developer.
- Sociedad de las indias electrónicas. Technology consulting ( 2008 ) Junior developer.
- Iberiuris. Law Firm ( 2007 ) System administration / Web Development.
- Barclays Bank ( 2006 – 2007 ) System administration.
- Carrefour Offices ( 2006 ) IT Help desk.
- Logic Line PC. Computer shop ( 2005 – 2006 ) Hardware Technician.

## Education

- Certified Professional Computer Systems Administrator (“Ciclo formativo de grado superior: Administración de Sistemas informáticos”) Centro de Formación Padre Piquer ( 2007 – 2009 ).