

David Arias

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Career Profile

Senior developer and technology enthusiast with more than 10 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 (ES6, jQuery, Bootstrap, React, Redux, Grunt, Gulp, Webpack, ThreeJS, WebGL, d3js, Backbone, WebSockets, Socket.IO... etc).
 - Back-end development: Python (Django, Tornado, Gevent, Celery, Bottle, Fabric... etc) , PHP (Wordpress) and NodeJS (ExpressJS).
 - Database management and SQL: MySQL, PostgreSQL, SQLite, Microsoft SQL Server, MongoDB and Redis.
 - Web Server Management: Apache and Nginx.
 - Cloud service providers: Amazon Web Services and Rackspace.
- 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.
- Other technologies interested in:
 - Functional languages: Haskell, Clojure/Clojurescript.
 - Small / niche languages: Smalltalk, Self, Julia, IO, Scheme, Lisp and Lua.
 - New languages: Go and Rust.
- Languages:
 - Spanish (Native).
 - English (Professional working proficiency).

Free software projects

- [Jupiter programming language](#): A new programming language based on Smalltalk/Self.
- [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. An 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

- Higher Technical Certification in Computer System Administration (Ciclo formativo de grado superior: Administración de Sistemas informáticos) Centro de Formación Padre Piquer (2007 – 2009).