

# Albert Hilazo Aguilera

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## Profile

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A full-stack software engineer with a strong interest in software craftsmanship, product building practices and other related topics; including DevOps culture, Domain-Driven Design and Agile methodologies.

## Technical Skills

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### Programming languages

- JavaScript – Node.js, Express, Hapi, AngularJS, Vue.js
- PHP – Symfony 3, Silex, Doctrine, PHPUnit, Behat
- Perl – Moose, Catalyst, DBIx::Class, Test::Spec
- HTML5, CSS3, Bash, SQL

### Tools and technologies

AWS, Azure  
Docker, Vagrant  
Ansible, Puppet  
Jenkins, CircleCI  
Git, Subversion  
MySQL  
Elasticsearch, Redis

### Interests, practices and methodologies

Linux systems, DevOps culture, Continuous Integration  
Domain-Driven Design, Clean Architecture, SOLID  
Test-Driven Development, Behavior-Driven Development

## Professional Experience

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### Software Engineer, CAPSiDE

*IT services and infrastructure. Development department.*

Barcelona, Jan. 2016 - Present

Perl, Node.js, AngularJS, Vue.js, Elasticsearch, AWS, Azure, Ansible, Docker

- Promoted the adoption of software design concepts such as SOLID principles, design patterns, architectures and Domain-Driven Design.
- Also promoted software quality and maintainability principles such as code readability, refactoring, extensive testing and code reviews.
- Performed internal trainings in order to introduce some of the previous concepts to the team.
- Defined a frontend code architecture that separates application and framework-coupled logic, allowing the application to easily adapt for the fast-changing JavaScript ecosystem.
- Optimized the development environments so they were easier to use, more automated and consistent with production.
- Participated in the development of web applications that manage AWS and Azure cloud infrastructures.

### **Adjunct Lecturer in Web Projects, La Salle Campus**

*Engineering university. Computer Engineering department.*

Barcelona, Oct. 2015 - Feb. 2016

- Introduced students to web development using HTML5, CSS3, JavaScript and PHP.
- Guided students in the setup and use of a development environment using Vagrant, Apache, MySQL and Git.
- Taught and evaluated those fields for the Web Projects and Web Programming Environments subjects.

### **Teaching Assistant in Web Projects, La Salle Campus**

*Engineering university. Computer Engineering department.*

Barcelona, Feb. 2013 - Sep. 2013 / Feb. 2014 - Sep. 2014 / Feb. 2015 - Sep. 2015

- Introduced students to web development using Apache, MySQL, PHP frameworks and version control.
- Guided and evaluated the development of a web application as part of their group project.
- Participated in the drafting of subject materials.

### **Intern, T-Systems Iberia**

*IT services and consulting. Automation & Tools department.*

Barcelona, May 2013 - May 2014 / Oct. 2014 - Jun. 2015

PHP, Zend Framework, JavaScript, Bash, Pentaho, IBM Tivoli

- Developed cross-browser intranet web applications that implied a noticeable performance improvement in some of the company departments.
- Reduced the time needed to analyze the servers status and draft monthly reports on an estimation of 12 hours per month.
- Managed monitoring and data integration tools.
- Participated in the automation of monitoring agent installations through the development of shell scripts.

### **Teaching Assistant in Computer Programming 1, La Salle Campus**

*Engineering university. Computer Engineering department.*

Barcelona, Sep. 2012 - Jun. 2013

- Introduced students to the basics of computer programming using C language.
- Introduced students to the use of the Linux command-line.
- Helped students with the development in C of three small games, executed through command-line or graphical interface.

## **Education, Courses and Certifications**

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- Essentials of System Administration Course (LFS201), Linux Foundation, 2017
- Master's Degree in High Performance Web Programming, La Salle Campus, Barcelona, 2016
- Engineer's Degree in Computer Engineering, La Salle Campus, Barcelona, 2015
- CCNA Exploration: Network Fundamentals, La Salle Campus, Barcelona, 2010

**Languages:**      *Native:* Spanish, Catalan      *Professional working proficiency:* English