Patricio Lopez Juri

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ABOUT ME

Software Engineering student and full-stack developer passionate in producing real solutions using the best tools available. Interested in *state of the art* technology. Focused in high quality code and top-tier development/deployment procedures.

EDUCATION

Software Engineering,   Match 2012 - Current
Pontifical Catholic University of Chile (UC)

TECHNOLOGY SKILLS

Software Engineering: Agile, Continuous Integration, Scrum, Version control, Code Review, Requirements analysis, Software Architecture, Design and Testing.
Programming Languages: Python, Javascript (ES6), Typescript, Ruby, C#, Go, Java, Objective-C, C.
Databases: Postgres, MongoDB, Redis, Realm.io.
Backend: Node.js, Express.js, Go Gin, Ruby on Rails, Sinatra, Flask, KeystoneJS.
Frontend: React.js, Angular2, jQuery, HTML, CSS, SCSS.
Mobile: iOS, Android, Windows Phone, React-Native, Ionic.
Other: Docker, Machine-Learning with Python, library and module development (npm, pypi, rubygems, cocoapods).

EXPERIENCE

CTO   July 2016 - Present
AprubaloTodo (Startup)
- Design and implementation of the software system using Ruby on Rails 5, Express.js and React.js.
- Development of transactional emails and payment integration.

Freelance Web Developer   October 2016 - Present
CIWS (Centro de Investigacin de la Web Semntica)
- Lead developer in charge of update the official webpage of CIWS.
- Move current software from Django to KeystoneJS CMS and React.js.

Alma Mater UC   February 2014 - March 2016
Personal hobby project
- Develop of the UC's unofficial mobile apps for iOS and Android (Java, Swift, Objc, React-Native and Ionic2).
- Personal research of web, mobile and backend technologies.
- Research and implementation of how to integrate the university services.
- Mapping of the majority of classrooms.
- More than 30.000 downloads.

Head Teaching Assistant
Advanced Design of Web Applications   August 2016 - Present
Pontifical Catholic University of Chile
- Designed course architecture on top of Github.
- Teaching Node.js, React.js, Angular2 and modern Javascript.

Teaching Assistant
Software Systems Architecture   August 2016 - Present
Pontifical Catholic University of Chile
- Review student's project progress.

Teaching Assistant
Detailed Software Design   August 2016 - Present
Pontifical Catholic University of Chile
- Designed course architecture on top of Github.
- Participation in the refactoring of the course.
- Design and evaluate homework and exams.

Advanced Programming Book Participation   September 2015 - Current
CONICYT founded project
- Worked in chapters about Networking and Web Services in Python (spanish and english versions).

Head Teaching Assistant
Software Engineering   March 2016 - July 2016
Pontifical Catholic University of Chile
- Designed course architecture on top of Github.
- Taught software development methodologies.
- Web development with Ruby on Rails.

Teaching Assistant
Web Technologies And Applications   March 2015 - December 2015
Pontifical Catholic University of Chile
- Designed course architecture on top of Github.
- Taught web development with Ruby on Rails.
- Project mentoring.

Head Teaching Assistant
Advanced Programming   March 2015 - December 2015
Pontifical Catholic University of Chile
- Course refactoring from C# and SVN to Python and Git to fit current development tools and standards.
- Designed course architecture on top of Github.
- Development of administrative tools to automate repository administration.
- Code reviewer and developer of course material and activities in Python.