Patricio **López Juri**

SOFTWARE ENGINEER · FULL-STACK DEVELOPER

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"A man whose fear is greater than his desire, or a man who has no great, all-consuming passion, or one who has patience and does not oppose, cannot be a pivotal character."

Education

Pontifical Catholic University of Chile   *Santiago, Chile*

M.ENG IN COMPUTER SOFTWARE ENGINEERING   *Mar. 2017 - PRESENT*

Pontifical Catholic University of Chile   *Santiago, Chile*

CIVIL INDUSTRIAL ENGINNER, COMPUTER SOFTWARE ENGINEERING   *Mar. 2012 - PRESENT*
- Software Design, Architecture and Engineering.
- Linear Algebra, Optimization and Machine Learning.
- IT Management.
- Accountability and Finances.

Experience

Impulso Docente (Foundation)   *Santiago, Chile*

FREELANCE SOFTWARE ENGINEER   *Jun. 2017 - Exp. Jul. 2017*
- Design and implement a mobile to help teachers improve their methodology through videos and feedback. Built with React-Native and Redux.
- Build on top of UI/UX concepts and had to teach process-management and improvement methods (Kanban) to clients.

FEUC (Federación de Estudiantes de la Universidad Católica de Chile)   *Santiago, Chile*

FREELANCE SOFTWARE ENGINEER   *Jan. 2017 - Exp. Ago. 2017*
- Lead the requirement gathering, design and implementation of a mobile app built with React-Native and Redux with a Express.js, Keystone.js and MongoDB backend.

Pontifical Catholic University of Chile   *Santiago, Chile*

MAYOR-FIELD CAPSTONE COURSE MENTOR   *Mar. 2017 - Jun. 2017*
- A Mentor for the Major Field Capstone Project guides a team of to 10 last-year computer science students during the full development cycle of a software project. Professor: Andrés Neyem, PhD.

Pontifical Catholic University of Chile   *Santiago, Chile*

TEACHING ASSISTANT   *Ago. 2013 - PRESENT*
- Software System Architecture: 1 semester.
- Detailed Software Design: 1 semester.
- Advanced Design of Web Applications: 1 semester.
- Software Engineering: 1 semester.
- Web Technologies and Applications: 2 semesters.
- Advanced Programming: 5 semesters.

Booz cl   *Santiago, Chile*

FREELANCE SOFTWARE ENGINEER   *Mar. 2017 - May. 2017*
- Implement shopping cart and a search feature with Node.js, MongoDB and jQuery. (Not deployed yet).
- Code-refactoring caused several improvements increased speed and reduced client-side files size.

egghead.io   *Remote*

EGGHEAD INSTRUCTOR   *Mar. 2017 - PRESENT*
- Prepare, record and edit an online video course about developing modern JSON WEB APIs with Koa and the latest JavaScript semantics. (Work in progress).

Mediastream SpA   *Santiago, Chile*

Software Engineer   *Dec. 2016 - Feb 2017*

- Research Functions as a Service (FaaS) and evaluate the project of splitting the main monolithic service from Express.js and MongoDB to AWS Lambda and DynamoDB.
- Lead developer at the design and implementation a full-stack application with Koa, Amazon RDS, React, React-Native and Redux with shared code-base and i18n support.
- Prepare and evaluate technical interviews for senior candidates.
- Improve developers experience by setting a developer-friendly and debuggable environment.

Núcleo Milenio Centro de Investigación de la Web Semántica – CIWS   *Santiago, Chile*

Freelance Software Engineer   *Oct. 2016 - PRESENT*

- Lead developer in charge of updating the official to a new CMS in Node.js and MongoDB from Python and SQL.

Extracurricular Activity

Open Source UC   *Santiago, Chile*

Core Member   *Jan. 2017 - PRESENT*

- Lead developer of a non-profit community for developing apps to our university peers.

Alma Máter UC   *Santiago, Chile*

Member   *Jan. 2014 - Jan. 2016*

- First real-life development of a mobile app for iOS and Android (Objc & Java). It has success and over 30.000 downloads. It was an unofficial free mobile app for the university community.

Honors & Awards

2017	**1st Place**, Facebook Chile Regional Hackathon 2017	*Santiago, Chile*
2017	**Honor**, Outstanding Student	*Santiago, Chile*
2014	**2nd Place**, Start-up Weekend Chile	*Santiago, Chile*
2014	**Best Social App**, ChileHack	*Santiago, Chile*

Writing

Advanced Programming in Python   *CONICYT Founded Project*

Book Writer   *Sep. 2015 - Sep. 2016*

- Participant in the writing of a book about advanced programming concepts and usage in Python. Wrote about Webservices and Networking.
- Translate content from Spanish to English.

Program Committees

2017	**Co-Organizer & Video Tutorial Creator**, Taller de Programación OCI - PUC	*Santiago, Chile*

Other

	Collector, Music vinyl records	*Santiago, Chile*
	Cryptocurrency investor, Bitcoin (BTC) and Ether (ETH)	*Santiago, Chile*
2017	**Census Volunteer**, Census Taker	*Santiago, Chile*