

Juan Carlos Rodríguez

Backend Developer

Software engineer with extensive experience in development with Python, Java, Javascript and Marklogic with Scrum and TDD methodologies; strong knowledge in fields related to computer vision and pattern recognition using Matlab and Python. I am a team player always ready to give my best.

Skills

Operating systems	GNU Linux and Ms Windows.
Programing languages	Python, Java, Javascript, XQuery.
Scientific computing	Matlab, LabView.
Web Development	Flask, Django, Struts2, JQuery, AngularJs.
Other frameworks	SqlAlchemy, Celery, Hibernate.
Data bases	Postgresql, memcached, Marklogic (NoSql database), Oracle.
Reports	Birt, Tableau, ReportLab Toolkit.
Methodologies	OO Analysis & Design, Pattern oriented development, Test driven development and Scrum.

Work History

Nov 2016–	LendingFront , US Company.
Current	Backend developer, Software developer with Python, Flask and Postgresql technologies. www.lendingfront.com is a Fintech company oriented to loans for small business, I've helped this company in: Improvements in performance of the platform, implementation of amortization algorithms for loans, develop of new features in front and back end and bug fixing..

- April 2015– **PanTrek**, US Company.
- August 2016 Co Founder, CTO, Software developer with Python, Django, Celery, Postgresql and AngularJs technologies. PanTrek was founded with the idea of helping the travelers to purchase bus tickets across Latin America. As a co founder I built the platform from scratch, make technical decisions, lead a team of 2 developers and perform technical hiring. I was also involved in business decisions as well as presentations to potential customers.
- February 2013– **Yuxi Pacific Latam**, US Company.
- April 2015 Team leader, Sr software developer with Java, Javascript and Marklogic technologies. Projects: Development of the CMS for the OPTICAL SOCIETY OF AMERICA (OSA) with Marklogic and XML documents; Develop of adapters for scientific documents searching using Java, HTTP and XML parsers and query standardization using tree data structure; Maintenance of the application for the company APEX SUPPLY CHAIN SOLUTIONS using Java EE, Javascript, Struts 2 and Oracle database.
- March 2012– **Facultad de minas**, *Universidad Nacional de Colombia*,
December Medellín, Colombia.
- 2012 TYT Research group, Research & develop of the management system for protection equipment in power transmission lines, SAGES project.
- September 2011– **Insitu Mobile Software**, Medellín, Colombia.
- February 2012 Web developer using Java, Javascript and JSF; mobile software developer using Java ME for Blackberry and Nokia platforms.
- July 2010– **Facultad de Minas**, *Universidad Nacional de Colombia*,
August 2011 Medellín, Colombia.
- Half time researcher. Development of an artificial visual system prototype for artificial teeth inspection using Labview, Matlab and MySQL.

Education

- 2003–2010 **Bachelor's degree in Systems Engineering**, *Universidad del Magdalena*, Santa Marta, Colombia.

Languages

- Spanish Native
- English Intermediate B2

Publications

[Anisotropic filtering assessment applied on superficial defects enhancement under non homogeneous light conditions](#)

December 2011. Revista: Avances en Sistemas e Informática, Volumen 8, número 3. Facultad de Minas, Universidad Nacional de Colombia - Sede Medellín.

[Interpolation Centers' Selection Using Hierarchical Curvature-based Clustering](#)

December 2010. Revista: Revista Ingenierías Universidad de Medellín, Volumen 9, número 17. Universidad de Medellín.

[A glance to the biometric](#)

September 2009. Revista: Avances en Informática, Vol. 6 No 2. Facultad de Minas, Universidad Nacional de Colombia - Sede Medellín.

[Other courses and certifications](#)

- PMI Fundamentals, Yuxi Pacific - Global Knowledge, 2014.
- Oracle Java certified - *Credential verification link* (code: jo69371Wy71b).
- Software project Administration, SENA 2009.
- Yellow Belt – Six Sigma, Carbones del Cerrejón Limited. La mina, Guajira, 2009.

[Affiliations and Volunteering](#)

- PyCon Colombia 2017, volunteer: <http://www.pycon.co/>.
- Medellin Python meetup, co-organizer: <http://www.meetup.com/es-ES/Medellin-Python-y-Django-Meetup/>.
- Django Girls Medellin, Couch and volunteer: <https://argentinaenpython.com/django-girls/2017/06/medellin/>.