

Curriculum vitae: Julian Uran

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Intro Master level Computer Engineer with experience on software development, Information Security and IT systems administration.

Highlights

- 2015-2017 **Lead SW developer** at Bemovil SAS, Pereira, Risaralda, Colombia. Implemented cloud-backed **brand new backbone** for **nationwide** mobile carrier related operations, handling millions of cellphone topups requests sent from client servers, smart-phones and other mobile devices pointing to the Bemovil solution.
- 2015 **R&D Engineer** at Veritran, Pereira, Risaralda, Colombia. Identified and patched memory related issues for Linux based systems that throttled down performance for long running processes (performance went **back up by two thirds**).
- 2014 Graduate Research Assistant as lead developer at Global Computing Lab (GCLab), University of Delaware. Worked as a part of a PhD centered team in writing papers and testing cloud computing theories for optimizing AWS based VMs idle times with extra tasks schedulers.
- 2014 Research and Development Engineer at CIFI (Faculty of Engineering Research Center), University of Los Andes. Designed bottleneck-solving solution for **nationwide** earthquake mapping web portal, **going from 50** concurrent users per second to **10K+** by using AWS cloud computing solutions.
- 2014 **Master's Degree**, Systems and Computer Engineering at Latin-America top ranked University of los Andes, Colombia. Emphasis in cloud computing architectures.
- 2011-2014 System Administrator at University of los Andes, Colombia: troubleshooted tier 2 and 3 requests while managing highly available virtual IT infrastructure with **700+** VMware virtual machines.
- 2012 **Bachelor's Degree**, Systems and Computer Engineering at Technological University of Pereira, Colombia. Emphasis in problem-solving and data networks design/administration.

Key Skills

- Cloud computing Hands on experience with Amazon, Microsoft, and open source clouds and technologies. Being able to design and implement high availability and performance solutions for heavy loaded systems by using Linux and cloud options such as NGiNX and AWS. Implemented custom self-service portal using web-oriented technologies for in-house VMware clouds.
- Virtualization VMWare ESX administrator for more than 700 VMs running 24/7 over two fibre channel SANs, data loss free even after technical equipment failures (recovered data from physically damaged disks by using forensic equipment).
- Networking Proficient with CISCO, 3Com and Brocade networking equipment. Able to troubleshoot SAN, NAS, iSCSI, fibre channel, routing, switching, traffic shaping, access control lists, IPTables, and network throughput issues.
- Programming Able to implement functional code in: Python, Java, C/C++, Bash scripting, while also being capable of learning and prototyping with new technologies in a short amount of time.
- Language skills Fluent in English and Spanish (Native).

Work History

- Oct 16– Ongoing [Freelancing] LoQueNecesito.co: Colombian start-up currently developing applications to address specific business niches in the Andean region. Responsibilities include maintaining and improving existing features as well as designing and implementing new ones. Core technology: Django.
- Feb 15– Today Lead SW developer at BeMovil SAS, Pereira, Risaralda, Colombia. Designed and implemented cloud-backed brand new backbone and applications for nationwide level mobile carrier-related operations, handling millions of cell phone top-up requests per day, sent by smartphones, web-services, and other supported devices pointing to the BeMovil platform. 100K+ web page-views per day currently are currently being processed.
Supervisor: David Betancur Vallejo (dbetancur@bemovil.net), CTO.
- Aug 15–Oct 16 Research and Development Engineer at Veritran, an Argentine mobile banking app developer company.
Identified and patched memory related issues for Linux based systems that throttled down performance for long running processes (performance went back up by two thirds). Implemented load testing base line with technologies such as Apache Benchmark and Apache JMeter.
Supervisor: Leonardo Kausilas (lkausilas@veritran.net), Lead Senior Developer.
- Jun 14–Nov 14 Graduate Research Assistant at Global Computing Lab (GCLab), University of Delaware: implemented, modified and tested tools for researching computationally efficient algorithms and adaptive scheduling policies for scientific computing on GPUs and clouds.
Supervisor: Dr. Michela Taufer (taufer@udel.edu), Professor.