resume

# Víctor Leonel Orozco López

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"One of my most productive days was throwing away 1000 lines of code" - Ken Thompson

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## Personal Details

**E-mail** me@vorozco.com
**Website** https://vorozco.com/
**Age** 33 years old

## Education

**2012-2013** *Master of Science (MSc), Computer Science*
Focus area: Information security
Universidade Federal de Santa Maria (RS, Brazil)
GPA: 3.84/A-
**2005-2009** *Bachelor of Science (BSc), Computer Science and Information Systems*
Universidad de San Carlos de Guatemala (Guatemala City, Guatemala)
Academic credits finished in record time (9 of 10 Semesters)

## Certifications

**2021** *CKA: Certified Kubernetes Administrator*
The Linux Foundation
**2018** *Oracle Certified Professional, Java SE 8 Programmer*
Oracle Corporation
**2018** *Principles of Reactive Architecture*
IBM - Lightbend
**2017** *Oracle Certified Associate, Java SE 8 Programmer*
Oracle Corporation

**2008** *Oracle Database Administration*
TATA Consultancy Services and India-Guatemala IT Education Centre of Excellence
Universidad de San Carlos de Guatemala

## Awards

**2022** *Oracle ACE*
Oracle Corporation
The Oracle ACE program highlights excellence within the global Oracle community by recognizing individuals who have demonstrated both technical proficiency and strong credentials as community enthusiasts and advocates.
**2018** *Oracle Groundbreakers Ambassadors*
Oracle Corporation
Oracle Groundbreakers Ambassador are professionals with experience in modern software developmen, in areas like Cloud, Microservices, Containers, Java, Devops and Open Source technologies. Frecuent speakers in top developer conferences like DeveloperWeek, DevNexus, Devoxx, Oracle Code One and QCon.
**2018** *Java Champion*
Oracle Corporation
The Java Champions are an exclusive group of passionate Java technology and community leaders who are community-nominated and selected under a project sponsored by Oracle. Java Champions get the opportunity to provide feedback, ideas, and direction that will help Oracle grow the Java Platform
**2016** *Duke's Choice Award*
Oracle Corporation
Educational outreach award for "The Duke's Adventures" Project
**2011** *Grad School Scholarship*
OAS-GCUB Scholarship Program
First Generation - Selected between 5000 applicants

## Msc. Dissertation

**Title** *Risk assessment in information security: Quantification of trust as a parameter for human biases reduction*
**Advisor** Prof. Dr. Raul Ceretta Nunes
**Description** This dissertation explored the possibility of using computational techniques (specifically Social Network Analysis) to quantify trust in risk treatment context. Trust notion is used to improve risk assessment accuracy and the effectiveness of security investments.

## Experience

**2014-currently** *Solutions architect*
Nabenik
Joint venture focused on research and development of IT solutions and digital maturity.

**2020-currently** *Lecturer*
Universidad de San Carlos de Guatemala, Centro Universitario de Occidente
Computer Science Department. Acting as lecturer in organizational and management system courses and supervising research activity in the department.

**2016-currently** *Lecturer*
Universidad Rafael Landivar de Guatemala
Computer Science Department. Covering Artificial Intelligence and Modeling and Simulation areas.

**2018-2019** *Vicepresident of the information sciences comission*
Senacyt
Vicepresident on the national information science commission on the nacional science an technology system.

**2016** *Instructor*
Edx.org - Galileo University
Instructor and content creator for the "Java Fundamentals for Android" course, first english Micromaster produced in Latin America for edx.org

**2014-2015** *Associated Professor*
Universidad Rafael Landivar de Guatemala
Part-time professor in introduction to computers programing course.

**2012-2014** *CAPES Msc. fellow*
Universidade Federal de Santa Maria
Research activities in the Msc. in Computer Science program, member of the research group "Administration and Technologies in Information Security (Gestão e Tecnologia em Segurança da Informação)".

**2010-2012** *JavaEE Software Architect*
Soluciones Estrategicas S.A.
Software analysis and design, SOA development, mobile platforms development (Android, Blackberry and iOS), IT infrastructure design, FLOSS consultancy, high throughput algorithms, JavaEE specialist.

**2009-2010** *Freelance Developer*
Open Training
Java Web Development (Servlets, JSP, JSTL, persistence), Struts, Richfaces, PostgreSQL Administration, Oracle Administration.

**2005-2010** *IT Consultant*
Asociación de Proyectos de Desarrollo
IT infrastructure administration, software implementation, assistance and support, Linux server administration.

**2008-2009** *Teaching assistant*

Universidad de San Carlos de Guatemala
Software Analysis and Design aux. instructor
Operating Systems aux. instructor

## IT Strengths

**Languages** Java, JavaScript, Kotlin, Scala, Python, C, C++, HTML, CSS, TeX

**Platforms** Java EE, Java SE, Java ME, Angular, Java FX, Android, iOS, Spring, QT

**Databases** Oracle, MySQL, PostreSQL, MongoDB

**CS areas** Software Engineering, Information Security, Social Network Analysis

## Languages

**Spanish** Native

**English** Professional working proficiency

**Portuguese** Full professional proficiency
CELPE-Bras Certificate 201301002452

## Publications

- *A new approach to improve accuracy in information security risk management.*
LÓPEZ, V. L. O. ; NUNES, R. C.
Eighth International Conference on Digital Society (ICDS 2014), 2014, Barcelona, Spain. IARIA, 2014. v. 1. p. 1-6.

- *Opinions classification in information security risk assessments with social networks analysis.*
LÓPEZ, V. L. O. ; NUNES, R. C.
Brazilian Workshop on Social Network Analysis and Mining (BraSNAM), 2013, Maceió, Alagoas.
XXXIII Congresso da Sociedade Brasileira de Computação (CSBC 2013).

- *Building Situation Awareness to Monitor Critical Infrastructures.*
PETRI, Giani ; NUNES, R. C. ; SANTOS, O. M. ; CEOLIN JUNIOR, T. ; LÓPEZ, V. L. O.
Latin-American Symposium on Dependable Computing, 2013, Rio de Janeiro-RJ.

- *KBAM: Data Model of a Knowledge Base for Monitoring Attacks.*
PETRI, Giani ; NUNES, R. C. ; SANTOS, O. M. ; CEOLIN JUNIOR, T. ; LÓPEZ, V. L. O.
Latin-American Symposium on Dependable Computing, 2013, Rio de Janeiro-RJ.

- *Definição do Comitê de Análise/Avaliação de Riscos Baseado em Competências.*
  Primão, A. P. ; NUNES, R. C. ; LÓPEZ, V. L. O.
  XII SEPROSUL Semana de Engenharia de Produção Sulamericana, 2012, Assunção-Paraguai: UNA, 2012. v. 01. p. 01-11.

- *Distributed compilation with Distcc and Icecream clusters using Gentoo, a benchmarking study case.*
  LÓPEZ, V. L. O. ; LOBOS, J. F.
  Workshop Software Livre 2012, 2012, Porto Alegre, Rs. Anais do WSL 2012. Porto Alegre, Associação Software Livre.Org., 2012.

## Highlighted Talks [1]

- Microservices Patterns with MicroProfile • The Developers Conference/Oracle - Porto Alegre, Brasil • Dec 2020
- Securing Java EE applications for the OWASP Top 10 • Ekoparty University Talks - BS, Argentina • Nov 2020
- From the TV to the Cloud, the Java ecosystem in 25 years • Oracle - LATAM • Oct 2020
- Kotlin for Java Developers • Colegio de Ingenieros de Guatemala - Guatemala • Sep 2020
- From Java 11 on premise to Java 14 to the Oracle Cloud • Oracle Groundbreakers Tour LATAM • Aug 2020
- Evaluating Java security with OWASP Top 10 • JUG Merida Meetup - Merida, México • May 2020
- Java a language dying 25 years ago • IFF Meetup - RS, Brasil • May 2020
- From Java 8 on premise to Java 14 on the Cloud • Mitoweek Conference, Peru • May 2020
- From Java 8 to Java 14 • SOUJava Meetup - São Paulo, Brasil • Mar 2020
- Take advantage of MicroProfile benefits in your monolithic applications • The Developer Conference - Porto Alegre, RS, Brasil • Nov 2019
- Take advantage of MicroProfile benefits in your monolithic applications • Oracle Code One - San Francisco, United States • Sept 2019
- Kotlin+MicroProfile: Teaching 20 year old tricks to a new language • Oracle Groundbreakers Tour - Panama City, Panama • Aug 2019
- Kotlin+MicroProfile: Teaching 20 year old tricks to a new language • The Developer Conference - São Paulo, Brazil • Jul 2019
- MicroProfile for the busy developer • Es-Conference CDMX - CDMX, México • Mar 2019
- MicroProfile for the busy developer • The Developer Conference - Porto Alegre, RS, Brasil • Dic 2018
- Introduction to Java EE 8 with Payara 5 • Comunidad Hipana JUGs - jEspañol • Jul 2018

- Functional Microservices with Java 8 and Java EE • JavaUp - Instituto Politecnico Nacional, CDMX, México • Abr 2018
- Functional Microservices with Java 8 and Java EE • DevNexus - Atlanta, GA, United States • Feb 2018
- Microservices With Java 8 and Java EE 7 • III CONING 2017 - Trujillo, Peru • Oct 2017
- Microservices Data Patterns: CQRS and Event Sourcing • Java One 2017 - San Francisco, CA, United States • Oct 2017
- Microservices With Java 8 and Java EE 7 • Java Cloud Day 2017 - Mexico City, Mexico • Aug 2017
- Reaching the Java Lambda Heaven • DevNexus - Atlanta, GA, United States • Feb 2017
- Increasing the Maturity of Our Java User Groups • Java One - San Francisco, CA, United States • Sep 2016
- A new approach to improve accuracy in information security risk management • Eighth International Conference on Digital Society - Barcelona, Spain • Mar 2014
- Security on WiFi Networks • CIETEC Professional Education School - Santa Maria, RS, Brazil • Dec 2013
- Opinions classification in information security risk assessments with social networks analysis • XXXIII Congresso da Sociedade Brasileira de Computação (CSBC 2013) - Maceio, AL, Brazil • Apr 2013
- High performance and flexibility with Gentoo Linux • Fórum Software Livre Tchelinux.org - Santa Maria, RS, Brazil • Dec 2012
- Distributed compilation with Distcc and Icecream clusters using Gentoo, a benchmarking study case • Forum Internacional de Software Livre (FISL) - Porto Alegre, RS Brazil • Apr 2012

## Talks[2]

- Evaluating Java security with OWASP Top 10 • JUG Merida Meetup, Mexico • Aug 2020
- From Java 8 to Java 14 • SOUJava Meetup, Brazil • Mar 2020
- Introduction to Microservices with Eclipse MicroProfile and Java EE • Oracle Developer Tour LA - GOUG, Guatemala • Ago 2018
- 101 on securing Java EE 7 and 8 Applications OWASP Latam Tour May 2018 • OWASP Latam Tour 2018 - OWASP • July 2018
- Bootstraping Java EE 7 Applications with Eclipse Neon and JBoss Forge • Java Day Guatemala - Guatejug • July 2016
- Privacy vs Open Data • Technologies for crime prevention forum • Ministerio de Gobernación Guatemala • Mar 2016
- Functional development with Java 8 • Java Day Guatemala - Guatejug • Oct 2015
- HTML5 applications with Java EE and AngularJS • V Engineering Congress - USAC-Cunori - Chiquimula, Guatemala • Oct 2015
- Getting started with Git • VIII Engineering Symposium - Universidad

Rafael Landivar - Quetzaltenango, Guatemala • Oct 2015

- Java 8: Functional than ever • Technology Transference Department - ECYS/USAC • Sept 2015
- State and challenges of Information Security • VII Engineering Symposium - Universidad Rafael Landivar - Quetzaltenango, Guatemala • Oct 2014
- Myths and realities of Java Security • Java Day Guatemala - Guatejug • Oct 2014
- Getting started with Free Software • Latin American Festival of Free Software - San Marcos, Guatemala • Abr 2014
- New features in Java 7 • Java Day Guatemala - Guatejug • Oct 2011
- Java security and frameworks • OWASP Day Guatemala • Ago 2011
- Java as development platform • Guatemalan Congress of Free Software • Nov 2010
- Java applications development with QT Jambi • Guatemalan Congress of Free Software • Oct 2010
- A brief introduction to the Java language • Third Engineering Congress - Universidad Mesoamericana de Guatemala - Quetzaltenango, Guatemala • Ago 2009
- Linux security fundamentals • II Engineering Symposium - Universidad Rafael Landivar - Quetzaltenango, Guatemala • Ago 2009
- SOA, Web Services and other stuff - Second Barcamp - Universidad de San Carlos de Guatemala • Jul 2009
- Free Software in Guatemala • Free Software Saturdays - Linux Users Group - Universidad de San Carlos de Guatemala • Jul 2009
- Using Hibernate as ORM in JDeveloper • Guatemalan Congress of Computer Science and Information Systems • Abr 2009
- Developing OOP applications with Netbeans • Science and Technology convention - Universidad Mariano Galvez - San Marcos • Sept 2008
- Creating Java applications with Netbeans RCP • Guatemalan Congress of Free Software • Ago 2008
- Getting started in Linux with Ubuntu • Linux Users Group - San Marcos, Guatemala • Mar 2008

## Other activities

**2016-currently** *JUG Leader*
Guatemalan Java Users Group
**2013-2015** *Gentoo Linux Spanish translation team*
Gentoo Foundation
**2012-2015** *JUG board member*
Guatemalan Java Users Group
**2011-2012** *JUG Leader*
Guatemalan Java Users Group
**2009-2010** *Coordinator/Country leader*
Latin American Festival of Free Software

## Other interests

Backpacking, running, natural languages, science and free software advocacy.

## References

- *Inga. Msc. Andrea Rodas*
  General Department of Research
  Universidad de San Carlos de Guatemala
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- *Inga. Maria Castillo*
  Academic coordinator
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  CEO • SQMOS
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  Universidad de San Carlos de Guatemala
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LinkedIn • CV's source at: GitHub
Spanish • Portuguese

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1. Most of these are available at Slideshare

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