LORENZO LÓPEZ-SANCHO ABRAHAM

SENIOR DEVELOPER / ARCHITECT

lorenzo.lopez@intec.es
(+34) - 684 248 734

Profile

Software developer and architect. Specialist in J2EE and Ruby on Rails. Deep knowledge in development, databases and systems administration.

Skills

Development

I can develop in multiple languages but my specialty is Web Development using Java or Ruby and Rails.

Architecture/Design

Ample experience in the whole development lifecycle. My knowledge in UNIX sysems and databases allow me to design quick and responsive applications.

Agile

Experience working with agile teams, scrum, iterative development and pair programming.

Technical Knowledge

Development	Cloud Computing	Databases
Core Java, Multithreading	AWS: EC2, Opsworks, Route 53	SLQ Server, Oracle, DB2, Informix
JSP, Struts2, JSF	Elasticache, RDS, IAM	Teradata, OLAP, BI
Spring, Hibernate, EJB	Elastic Transcoder	**Miscelánea**
SOA, Webservices, JSON	Cloud Search	Scripting (UNIX and Powershell)
Javascript (Backbone, jQuery)	**Virtualization**	Microsoft Exchange
Ruby on Rails	VMWare: Workstation, ESX, VI	Business Objects
Sinatra, Grape	VBox, Docker, Chef, Vagrant	Apache, Nginx, Tomcat, Weblogic
Payments integration	**OS**	Criptography and Security
Video Streaming	UNIX (Linux ,Solaris, AIX, OSX)	Project Management, Agile, ITIL
Elixir, Python	Windows Server (2003 and 2008)	Matlab

Experience

CTO / Lead Developer / Architect
Ticckle.com

2013-2014

When I came to this project I found a monolithic rails app with MySQL as DB running on heroku. I engineered a complete change of architecture. First a move from heroku to Amazon AWS as we could offload a lot of app processes (Storage, transcoding, load balancing, etc) using the amazon API. Then a separation of the app to a full SOA architecture, Rails backend and Backbone + Marionette frontend. Added background processing using Redis/Sidekiq and moved the DB backend from MySQL to MongoDB. In the end we managed to decrease the load time of the front page of the application from 7 seconds to less than a second using the same resources.

I also led a team of 7 people and ensured best practices as proper git branching, pull requests, BDD and project management via Pivotal Tracker. The team was comprised of remote developers and designers (in in London an Krakow) and it showed that doing good work and achieving results is compatible with remote teams too.

From the systems point of view I engineered the move from a local development environment to a complete virtualized one (Using VMWare and vagrant/VBox)

Senior Developer

Farncombe

<div align="right">2013</div>

As Ruby on Rails developer I mainly developed the backend of Databank application. This involved ecommerce integration, facebook, twiter and yahoo authentication, web services development, aws deployment, etc. This was an application with tens of thousands of user (It was the backend of an iPad F1 application (http://zumef1.com/) and it involved signup, big data analytics, payments integration (sagepay, paypal, softbank) and video streaming.

Lead Developer / Architect

Tesco PLC

<div align="right">2012</div>

As Ruby on Rails Lead Developer I maintained and developed web solutions for Tesco promotions team. As Architect engineered the move from web applications to a full SOA architecture using RoR and Sinatra, Grape and Backbone.

Freelance Trainer

Multiple companies

<div align="right">2003-2012</div>

Training multiple companies as El Corte Ingles, ONO, Telefónica, AstraZeneca, etc teaching different subjects as programming (Java, .NET, C), O.S (Windows Server, UNIX), Databases (Oracle, MySQL, Teradata, Informix, SQL Server) or BI (Business Objects, Matlab)

Software Developer Analist

MTV Spain

<div align="right">2011</div>

Developer of a reporting system using Crystal Reports and SQL Server. Automated flows of information between MTV and its subsidiaries using ruby on rails.

Java Architect / Trainer

Avante Formacion

<div align="right">2005-2012</div>

Working as Java expert helping develop architectures and training different companies in Java Best Practices. Specializing in j2EE, Struts, Spring, JSF, Hibernate and Open ESB.

Ruby on Rails Software Developer

Canary Lab

<div align="right">2011</div>

Developed a website with every book published in Spain since year 1000 AD. The site was developed using Ruby on Rails, MySQL and Thinking Sphinx

Ruby on Rails Software Developer

Intec Consulting SCM

<div align="right">2010</div>

Development of the website tesis.com.es. It contains every thesis published in Spain since 1977. Developed using Ruby on Rails, MySQL and Thinking Sphinx.

OLAP Solutions Architect

Intec Consulting SCM

<div align="right">2009-2010</div>

Definition and implementation of different OLAP systems using Teradata and SQL Server Analysis Services.

IT Director, Software Development

<div align="right">2003-2008</div>

Intec Consulting SCM

Led the IT department to use state of the art technologies to deliver high performance applications in a timely manner.

Project Manager
UCMTA

2007

Development of a CMS for the european project e-emprendedoras.es for empowering women in the job market. The application was developed using Ruby on Rails and MySQL.

Ruby on Rails Software developer
Intec Consulting SCM

2007

Development of the prospectos.org website. It contains every drug sold in Spain. The application has been developed using Ruby on Rails, MySQL and Thinking Sphinx.

Project Manager
UCMTA

2006

Manager and developer for the European Project Aldebaran. Aldebaran is a document management software developed for the European Commission. It was developed using J2EE, Spring and Hibernate.

Project Manager / Developer
Hay Group

2006

Acted as Project manager/Architect/Developer for the TOP Talent system in Hay Group. TOP Talent is a KPI based application for evaluation of managers in big companies (Like Vocento Group in Spain). I supervised the whole SDLC from architecture to deployment in Vocento Group servers. TOP Talent was developed in Java using XForms and deployed using Tomcat.

Software Developer
Intec Consulting SCM

2006

Developed Intranet application for managing courses and teachers working for Intec SCM. The application was developed using Ruby on Rails, Ferret (Search engine) and MySQL

Java Software Developer
Travelsoft / Soluziona

2003

Developer of a jetspeed based portal for a travel retailer. It was a mix between a news systems and a CMS. Its main goal was being a portal for travel agencies. I was the main developer and helped in the deployment too. I came to the team as a Java lead developer to help them meet the deadlines.

Lead Architect
El Corte Ingles

2000-2002

Architecting the different solutions for internal applications in El Corte Ingles using Java. Acted as liaison between the different departments in El Corte Ingles and the developers and project managers. Developing proof of concepts and documentation. I also was in charge of security standards for java applications (Web and Desktop based)

UNIX Systems Manager
Universidad Autonoma de Madrid

1998-2000

Systems manager for all Linux computers inside university. Acted as liason between teachers and

management to ensure classrooms where installed as required for the different courses. I defined the
procedures for installing and updating the Linux computers and installed and configured all software

Education

Universidad Autónoma de Madrid (1993-1999)
Mathematics
Ecole polytechnique fédérale de Lausanne (2012)
Functional Programming Principles in Scala
Stanford University (2012)
Cryptography I
Georgia Tech (2012)
Computational Investing I

Languages

Spanish
Native level

English
High Level, written and spoken

German
Intermediate level