Diego Nieto Caride

Profile

- **Birth date**: 04/04/1976
- **Email**: dnieto@gmail.com
- **Web (in spanish)**: https://www.dnieto-it.es
- **GitHub**: https://github.com/lesandie
- **LinkedIn**: https://linkedin.com/dnieto
- **Path**: /Spain/Pontevedra

I was born in the 4-bit era and grew up with a 128Kb spectrum and then an AMIGA 500. I learned to program BASIC at the age of 12 and sudenly I was playing arcade games, SNES and Megadrive until I went to college to study computer science in the 90s: learnt Assembler, C, C ++, JAVA or SQL and the uberunknown Linux!. The first distro I installed was a Slackware!. I have worked in companies such as Sun Microsystems, Informix software or Ascential until I went to the public sector in 2002. I currently work for the CESGA (Galician Supercomputing Center). I like to read, walk and enjoy a good day with my family and kids. Learning is in my DNA, and as a geek i value technology as a tool to improve our lives and change the world.

Education

1994-1999: BSc, Computer Science Engineering, Deusto University
Final Degree Project: Developed a front-end interface written in tcl/tk for the debian package manager (dpkg). It used the alien tool (https://joeyh.name/code/alien/) to convert packages between formats (.tgz, .rpm, .deb).

2004-2007 Postgraduate Diploma/MSc in Data engineering
Computer Science Joint PhD Programme
Santiago de Compostela (usc.es) & A Coruña (udc.es) Universities
Project MORFEO: Designed and implemented a datawarehouse for storing and analyzing data from patients with Cardio-Respiratory Sleep Disorders. I had to deal with different types of data, from basic tests like a Glasgow Scale to binary files from a polysomnography and came up with a design based on Kimball's approach to analyze and study all the data in an OLAP way using Oracle 10g, with the possibility of using datamining techniques.

Experience

Dec.2001–Actual | Senior Engineer/Analyst, Galicia Supercomputing

Center(CESGA)

Since i moved to the Public Sector i've been using the latest tech and applying it to many projects, for example helping with the benchmarking and deployment of the first version of the CESGA's Hadoop cluster for scientists in 2012 that evolved to https://bigdata.cesga.es

I've been working 15+ years at CESGA with many talented colleagues from different areas (networking, computing, apps ...):

- Developing IT and R&D projects at European, National and Regional level: (20+ projects) mainly for the e-Learning Area: Design and implementation of the backend infrastructure with different OSS technologies and tools: http://e-learning.cesga.es
- Helping different Universities research groups to setup and use the different cloud/computing infraestructures at CESGA.
- GaleraDB and PostgreSQL/PostGIS/TimescaleDB cluster infrastucture admin/DBA: due to my strong background in RDBMSs (+800GB storage from different projects).
- Videoconference and Streaming cluster infrastructure admin (Jitsi & BigBlueButton) https://seminar.cesga.es & https://meet.srv.cesga.es (80+ users).
- Chamilo VLE devops/admin (https://aula.cesga.es) (20K users)
- Nextcloud infraestructure admin (https://cumulo.cesga.es) (200+ users).

Mar.2001-Dec.2001 | Sales support eng./consultant, Ascential Software, Madrid, Spain

Ascential was acquired by Informix prior IBMs acquisition of the later. My work mainly was the design, implementation and exploitation of data warehouses usint ETL, and BI tools like DataStage or Crystal Reports. Worked for customers like Repsol or Xunta de Galicia.

Mar.2000-Mar2001 | Sales support eng./consultant, Informix Software, Madrid, Spain

HQ was in Madrid, but i was based in Santiago de Compostela working mainly with local clients but sometimes i had to travel to other spanish areas. Worked with Informix database technology and Informix content management solutions (iReach, Media360), for customers like Xunta de Galicia, Altia, Oviedo University, Tele5 and also doing some training sessions at on-site clients. Later that year IBM acquired Informix database bussiness and some former Informix employees stayed at the renamed company: Ascential.

Feb.1999-Feb.2000 | Engineer, Sun Microsystems, Bilbao, Spain

Finishing my studies at the university i was offered a learning position in a Sun sales office in Bilbao working mainly with local clients. Worked with Ultra Enterprise hardware, Solaris, Netscape suite for customers like Euskaltel. I also developed a Java Applet for the Caja Rural Vasca to simulate mortgages.

Skills

- Programming:
  - Python
  - PL/pgSQL
  - SQL
  - Shell Scripting
- System Administration level in Linux
- DBA Level in PostgreSQL & MariaDB
- Advanced Docker and basic Kubernetes
- Languages:

- Galician - Native
- Spanish - Native
- English - Fluent
- Portuguese - can read and understand it

Projects & Hobbies

- I'm a selfhoster with many IoT, sensors, 3D-Printer, raspberries and HomeAssistant stuff at home. I run my own network & storage infraestructure and sometimes i consult to customers and local SMEs. You can check my website https://www.dnieto-it.es , sorry it is in spanish.

- I am a temporal university lecturer at the USCs International PhD School, teaching text image processing with tesseract.

- I ussually get hired for training sessions in Advanced PostgreSQL.