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Summary

BSc in Computer Science, having expertise in software development, data analysis and databases.

20+ years of professional experience in IT working with different industries, methodologies and technologies.

Experienced in business operations like Billing, CRM, sales pipeline, contact center management, e-commerce, provisioning data center services, VoIP, telecommunications, higher education and research market.

Skills Base

Programming Languages: L^AT_EX, PHP, Python, JavaScript and Java;

Data Science: Strong SQL, PL/pgSQL, spreadsheets, plus some experiences with R;

Operating Systems: Linux (Arch, Debian, Ubuntu, CentOS, Fedora), Windows and OSX;

Networks: Internet protocol suite, sockets, APIs, webservices;

Virtualization: VirtualBox, VMWare, Xen, Cloudstack, Vagrant, PuPHPet;

Experience

Queen Mary University of London

Nov 2015 - Present

Software Developer

Technologies: Java, PHP, Python, Shell Script, Linux, Windows, Docker, RaspberryPi;

I maintain and develop systems coding the front and back-end and new ‘interfaces’ to integrate different systems.

Projects:

- Joint development with the University of Loughborough to develop a PHP web system (front and back-end)
- Python back-end interface between a commercial RGMS (Research Grant Management System)) and the financial system using APIs
- Research Grants Managing System using PHP and Zend Framework
- Command line based Java tool to execute databases queries reading a XML data sources catalog
- Raspberry Pi with a RF Card Reader to collect attendance of NHS program students in offline locations (Python and Shell Script)
- Maintenance to a PHP Zend Framework intranet fixing bugs and creating new functions and reports
- Sync scripts to collect and update data between different systems reading and writing a wide range of formats (XML, JSON, web services, CSV, fixed length format files)
- Migrate websites from an external data-center to an internal Docker environment
- Optimize database views (PostgreSQL, Oracle and MS SQL Server)

Telium Networks
Senior Software Developer

Jul 2006 - Aug 2015

Technologies: Linux, PHP, Python, JS, PostgreSQL, MySQL, MongoDB, Git;

My main role here is team leader on system analysis, writing code, testing and deploying process. I write a lot of code everyday but also attend to meetings with internal clients and lead daily stand up meetings with the all developers.

Projects:

- Databases migrations changing encoding and PostgreSQL versions.
- Customer Control Panel (v1 CodeIgniter and v2 Laravel/Eloquent/Bootstrap).
- Sales Pipeline (v1 Code Igniter, PL/pgSQL, v2 Laravel/Eloquent/Bootstrap).
- Sales activities control (CodeIgniter).
- Event System for Contact Center (Symfony/Doctrine/ExtJS).
- Automation of services life-cycle (PHP).
- Updates on Billing System (Mojavi, Code Igniter).
- DNS database modeling and migration from a legacy system.
- Integration of Billing system with proprietary ERP Protheus.
- Dashboards, reports and alerts to the board.
- Several migration of DNS, web and email servers.

In my spare time I like to study about programming languages such as Java, Ruby, Node.js, Python for data science and R.

IFX
Software Developer

Dec 2000 - Jun 2006

Technologies: Linux, PHP, PostgreSQL, Oracle, MySQL and MS SQL;

Member of a team responsible to design and develop the intranet for the whole company over latin america. It had to be a multi language, region with a complex permission system. It was also divided in modules and I was responsible for trouble tickets. Among other activities and projects, I attended a project to develop a billing system to charge recurrent services applying several business rules.

Conex Internet Provider
Junior Developer

Feb 1997 - Nov 2000

Technologies: Visual Basic, ASP, MS SQL, Windows Server, IIS;

Dynamic websites development and web-server administration.

Education

BSc in Computer Science

2001-2004 at Universidade Paulista, São Paulo, Brazil

1999-2000 at Pontifícia Universidade Católica PUCRS, Porto Alegre, Brazil

Computer Networks Technician

1997-1998 at Universidade Federal do Rio Grande do Sul, Porto Alegre, Brazil

Data Processing Technician

1993-1996 at Escola Técnica Santo Inácio, Porto Alegre, Brazil

Languages

- **Portuguese:** Native
- **English:** Fluent
- **Spanish:** Basic

Additional Training

- **ITIL:** ITIL Foundations (ITXL)
- **PMI:** Training course PMP-PMI (Euax)
- **Agile:** Agile Software Development (IME-USP)
- **Ruby on Rails:** RejectCode Ruby on Rails (IME-USP)
- **Java:** Java Course monitoring (UNIP)
- **MS SQL:** MS SQL Server Administrator (Microsoft Education Partner)

Volunteering

- **East London:** Raising money for multi-ethnic youth clubs running The Big Half Race
- **Ireland:** Sports lessons and recreation activities for children in a community center.
- **Israel and Palestine:** Gardening, sports lessons and recreation activities for children in summer camps.
- **Cananéia, Brazil:** Logistic support for medical assistance and sports lessons and recreation activities for children in risky areas.