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Summary

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

19 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 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 - Sep 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.