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SUMMARY

With solid Know-How in Information Systems, Computer Science, Information Science, Data Communications/Telecommunications, and extensive experience in software developments and systems consultancy, project management and leadership of technical and business teams, I consider myself with the passion, knowledge, vision, strong motivation and the ability to innovate in this new era of Information sharing, Collaboration and Conceptual Knowledge economy.

Having worked with ICL Computers Ltd as Chief Technology & Developments and more recently as Infrastructure and Technology Coordinator and “Solutions Advisor / Architect” in a Banking Organization, always had the opportunity to introduce and manage the implementation of innovative projects, generating new ideas and the support, aligned with the strategies and business plans in the organizations in which, over 32 years, i have been privileged to collaborate.

I hold vast know-how and enough technical expertise in Telecommunications Systems, Networking, Distributed Computing and Collaboration Platforms, High Availability Systems, Grid and Cloud Computing, and O/S like Unix, Solaris, Linux and Windows, as well as extensive programming skills in Assembler, Pascal, C++, Cobol, Visual Basic and UNIX / Linux Shell Scripting languages.

During last 6 years i have been actively involved with Virtualization and Cloud Computing enabled InfraStructures like VmWare vCloud, Eucalyptus, Convirt, OpenStack, OpenQrm (..); Linux e-Learning Systems Architectures w/ Moodle and Sloodle; High-Availability w/ HaProxy, LVS, Pound; Zimbra Vmware Collaboration & e-Mail Projects; Linux / Unix / Windows Central Logging and Analysis w/ Swatch, IDS w/ Snort, CfEngine3; Linux and Windows Monitoring and Management w/ Hobbit, Munin, Monit, Zabbix, Zenoss & Nagios; Shell Scripts and C++ Programming & Linux Admin/Automation tools for backups, real-time replication, pro-active monitoring/security solutions. Linux Systems Troubleshooting and Tunning;

SPECIALTIES

UNIX, Linux, DataBases MySQL, SQLServer, Ingres, PostGreSQL), C++, WaveMaker, Shell Scripting, Virtualization: KVM Linux, VMWARE, VirtualBox, XEN Specialist. Experienced Leadership of Senior Technical Teams / Senior Project Management; Strategic Knowledge, Research & Innovation IT Consultancy; Strategic Skills on Linux & Open-Source; KnowHow in Virtualization and Cloud Computing Technologies; Ability to structure systems and design of IT infrastructures for maximum agility at DataCenter.

SKILLS

- MySQL
- C++
- Xen
- SQL Server
- VirtualBox
- Move Management
- Cloud Computing
- KVM
- Open Source
- Linux
- PostgreSQL
- VMware
- Shell Scripting
- Unix
- Virtualization
- Data Center
- PHP
- ITIL

- C
- JavaScript
- Business Strategy
- SQL
- Apache
- Storage
- Operating Systems
- Windows Server
- VoIP
- Enterprise Storage
- Enterprise Content Management
- Zimbra
- Micro Focus COBOL
- Computer Security
- Hadoop
- Technology Transfer
- Consultancy
- Windows
- Research
- Visual Basic
- Bash
- VDI
- Disaster Recovery
- Tomcat
- Sockets
- Storage Virtualization
- Enterprise Architect
- LDAP
- x86 Assembly
- Java
- BI Pentaho
- WaveMaker

EXPERIENCE

BIZ&PAL

02 / 2010 - Present

IT Architect , Strategic IT Knowledgeware, Research & Innovation Consultant

Team Leader and Analyst / Programmer in the development of Business Apps, B2B & Social Web Apps, using Java & JavaScript Programming Languages and tools like WaveMaker RAD / SpringSource Java based (Javascript and Java). Also Mobile Apps Developments and Programming in C++ and Shell Script, for specific project module interfaces.

Project Development of CRM Mgr and E-Commerce Web Applications, written in JavaScript and Java / Hibernate with MySQL DataBases and Apache TomCat WebServers. JasperSoft BI & Report Writer with Java and JavaScript Integration. Also Spring Data and MongoDB technology implementations for document storage and retrieval.

Systems support in Linux O/S, Virtualization, Shell & C Programming, High-Availability systems and security like firewalling and IDS (Intrusion Detection Systems) technologies.

Full implementation of a project for a large enterprise, involving Linux systems, virtualization platforms based on VMware Server and Linux KVM, an innovative solution for e-mail), collaboration and information sharing (Zimbra, now VMware), management and monitoring solution and tools with OpenQrm Data-Center Cloud Automation, Hobbit and Monit/Munin, all of them based on open source software. Also provided the development of Linux Shell scripts to fully automate backups of physical machines and virtual servers, provisioning strategies, performance tuning and troubleshooting, security and active measures for proactive and preventive maintenance.

The complete deployment of platforms and tools to assist in the complete automation of the data-center, with Cfengine 3 (Automation & ITIL), Snort and Swatch Logging Analysis. Implementation of Open CRM & ERP Projects, BI with Pentaho, Collaboration and Content Management Platforms in the Cloud, provided as a service (SaaS) and Hadoop / MapReduce Technologies for BigData.

Implementation of Thin-Client Infrastructures to provide Virtual Desktops as a service in a SaaS model (Linux / Windows Apps).

Portuguese Bank

01 / 2002 - 01 / 2010

IT Architect / Consultant & Open-Source Solutions Advisor

Infrastructure Technology Architect, Project Management, Open Source Solutions Specialist.

Since middle 2006, mainly working on Open Source Projects and involved in the complete Automatization of the Data-Center, with Virtualization Technologies, Vmware Labs, VmWare Stage Center, Cloud Computing and Open-Source based platforms & OpenQRM. Also experienced in the building and customizing VM Virtual Appliances Technologies (VMWare, KVM and XEN), delivering the ultimate deployment of network and applications solutions, faster and accurately.

Proof-of-Concepts and Implementention of Novell Server Virtualization with Windows & Linux Para-virtualization Technologies and Cloud Computing Platforms.

Studies on Information Science Technologies and Proof-of-concepts with Open-Source Social Networking Platforms, Wiki, Pentaho BI, Jasper Reports and ECM (Enterprise Content Management).

Implementation of e-Learning Systems Online Education & Web-Conferencing (Moodle and DimDim Open-Source Platforms).

Fom 2002-2005, as IT Architect/Consultant, IT Solution Advisor and Project Management, on a Server Consolidation and Implementation Project, that included VSAN (Virtual Storage Area Networks), adoption of O/S Consolidation and Virtualization with VMWARE ESX, Storage and Data Replication between remote "Data-Centers" (Business Continuity) and IBM iSeries, with logical partitioning (LPAR); (...).

SOLSUNI , SA

08 / 2001 - 12 / 2001

IT Consultant UNIX & Storage Systems

Pre-Sales Support and Consultant.

ISIWARE

09 / 1996 - 09 / 2001

IT Consultant / Systems Architect (Owner)

- Telecomms Voice over Frame-relay, VoIP projects, Fax and E-mail integration projects.
- Telecomms ISDN and Frame-Relay Routers, Data-Compressors & Switches implementations.
- Implementation of IP Networking solutions, with support of VoiP (Voice Over IP), over Frame-Relay and ISDN infrastructures, in Portugal (companies like ACP, ICL, Lisnave, T.Lusitânia and TEX-CP.) and Republic of Cape Verde (Ministry of Finances and other Government Institutions).
- Application Developments (written in MICROFOCUS Cobol, Visual Basic 6 & Drivers Developments in C++) , for Linux/UNIX & Windows Systems, with support of Oracle and SQL Server DataBases.
- Development of a complete application for a Transport Company in Visual Basic / C# and for MySQL and SQLServer.
- Trial projects with Linux Servers, O/S Virtualization Technologies, Linux DataBases (Empress, InterBase and Ingress RDBMS) and Open-Office Suites & Applications.
- Development project with Windows CE and Handheld devices, written in Visual Basic and C++ Studio.
- Trials with RFID Technologies.
- Developments in C++ for UNIX, Linux & Windows Systems with TCP/IP Socks Comms with RTS Calibration Systems.

GENERALI, Assicurazioni, Portugal

04 / 1996 - 09 / 2001

IT Consultant / Solutions Advisor on Telecomms Projects

- Consultant / Solutions Advisor on the implementation of several projects, like sna/x25 network compression, Microsoft Sna Server, SNA Gateway's token-ring to Frame-Relay.

- Frame Relay infrastructure with voice over data support, E-mail Microsoft Exchange, Projects Management.
- Voice-over-ip project trials with leading VoIP technology companies (2000).
- Several important Strategic Studies / IT Predictions on the future of internet and web services).

OMNITÉCNICA

06 / 1993 - 12 / 1997

DataComms Division - Managing Director

- DataCommunications Division Manager, with the responsibility for the Sales & Technical Data&Telecom Team of the Company.
- Successful Projects include Lisnave (LAN/WAN infrastructure with more than 1,500 access points),
- Banco de Portugal (Voice&Data&Video integration, with switching technologies and frame-relay transport, over private links).
- BES (solution for all the branches, that was based on Eicon technology frame-relay cards, and software, special development to implement OSI layer 4 and API interfaces).
- GENERALI (A WAN solution based on Routers with the support of IP Private Networks over the Internet, including hardware Encryption technologies, and many others.

ICL COMPUTERS

08 / 1980 - 06 / 1993

Systems Analyst & Business Consultant

-IT Consultant for O/S (DRX, CDOS, UNIX), Telecomms, SNA, Office X.400 /X.500 and Osi FTAM. - Design and Development of an application platform for the Banking Branches, to support distributed transactions and communications over mesh networks like Ethernet/Osi, Tcp/Ip and X.25 Packed networks (Programming in C++ on UNIX Systems) with real implementations at Banco Comercial dos Açores (BCA) and BPA (1985-1992). - Design and Development (in C++ and Assembler) of specific tools and applications to aid in the development of financial transactions, like a Screen Designer, Transaction Generators, Error Handling Functions, TSR Driver based technologies, etc. (UNIX, CDOS, MS-DOS, Windows). - Design & Development of drivers for specific devices (Assembler for Motorola, Intel and Z80, Pascal and C++. - Programming of a POS Application System, written entirely in PASCAL and Assembler Intel 8085/6, under MPX (MultiProcessor Unix) O/S. - Systems Analysis and Programming of Accounting, Invoicing, Stock packages (Written CDE/BTL, COBOL and PASCAL). - Lecturer on Operating Systems Architectures, Data Comms & Programming Modelling and Techniques.

SLI - Sociedade Lusitânia Informática, Lda

03 / 1984 - 05 / 1990

Managing Director

Software Development Team Leader

PHILIPS TDS

10 / 1988 - 09 / 1989

IT Consultant

IT Consultant for UNIX systems, Banking application developments, SNA Developments & Support. Development & Support of MPX (Multi-Operating Systems) PHILIPS UNIX (Multi-processor architecture w/ Symetric Processing).

ICL COMPUTERS UK

06 / 1981 - 09 / 1982

O/S Systems Developer

Team member of a Validation & Development Team in the UK, Feltham and Bracknell, in the programming of interprocessor communication modules for MPX operating System, and communication protocol programs for IBM 2780/380 RJE Emulations (Programming with Intel Assembler 8085/8086 micro-processors).

INFORMAX - Instituto Português Informática

10 / 1977 - 07 / 1980

Programmer / Systems Analyst

- Programming / analyst with IBM Macro Assembler, COBOL, Fortran, Basic and BTL / ICL languages.
- Development of Data-Entry applications & packages written in CDE/ICL.
- Systems Analysis and Programming of Stock and General Purpose Commercial Applications for specific companies, written in IBM Macro Assembler and COBOL, for the IBM Mainframes S/360 & S/370 systems.
- Lecturer on MicroProcessor architectures and on programming languages (Assembler, Pascal, Cobol, Fortran, BTL - Business Translate Language and Basic).

EDUCATION

Universidade Aberta

2008 - 2011

1st , Information Sciences

ICL Beaumont Trainning Centre, UK, old Windsor

1981 - 1983

Bachelor of Science (BS) , Operating Systems, Information Processing Architectures (IPA) & Data Communications

Instituto Português de Informática

1975 - 1978

BS , Computer Sciences - Operating Systems, Programming Languages, TeleProcessing & Systems Analysis

Escola Comercial Campos Melo Covilhã

1968 - 1975

High school , Sociology, Economics

INTERESTS

New IT technologies and Science, IT Vision / Future predictions, Strategic thinking paradigms & Innovation approaches, Busines Management Paradigms, Collective Intelligence, Social networks & Social software platforms, Systems Programming & AI, Quantum Computing, history, cyclism, jogging (6 Kms every day) and swimming.