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software and platform architect

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Profile

Software and Platform Architect with more than twenty years of experience helping organizations take advantage of emerging technologies to maximize their return on investment in human teams and technological assets.

Extensive experience advising companies in the adoption of Internet technologies and best practices to improve their productivity and competitiveness.

Experiencia

Trainer, Sinensia IT Solutions, Barcelona, ES - 2015-

Mentoring and training of work teams in back-end and front-end technologies, Testing, Monitoring, DevOps, Platform Engineering and Cloud Computing.

CTO, ascii164. Barcelona, ES – 2010-

Leads consulting and implementation of projects on systems infrastructure, performance optimization, software and platform architecture for a broad, international customer base, including leadership in projects for Ackcent, Enertika, WeSmartPark, UrbanStep, izzi, Bestel, Aviacsa, Crédit Mutuel and Cofidis Spain among others. Consulting in development for mobile platforms, adoption of IaaS/PaaS and implementation of DevOps practices. Integration of CTI, IoT, Open Data, GIS, SaaS and Big Data systems. Architecture and implementation of computer systems using APIs and services from IATA, Amadeus and Sabre for customers in the aeronautical and tourism sectors.

CTO, Esilog Consulting. Barcelona, ES – 2004-2010

Advanced consulting and training services in computer security, systems infrastructure, performance optimization, software architecture and development for a broad customer base, including Coca-Cola, Caja de Arquitectos, Dirección General de Policía, Osakidetza, La Caixa, Mossos d'Esquadra and Generalitat de Catalunya. Coordination of development teams and elaboration of internal and external training plans. Implementation of agile development methodologies and REST architectural style.

I+D Associate Director, 3cubes. México DF, MX – 2001-2004

Software architecture and leadership of integration and development projects for Grupo Televisa, Metrored/WiseNet, Casa Cuervo, Grupo Soriana and Grupo Comercial Mexicana among other customers. Cloud Computing integration and CRM software development and systems integration with Salesforce, SAP and PBX manufacturers.

CTO, LatinB2B Corporate Network Inc. Miami FL, USA – 1999-2001

Leader for the conception, design and implementation of a business-to-business (B2B) dynamic trading platform for five vertical industries including content portals, marketplace and integration of customer and partner legacy systems, integrating Reichhold Chemical, BASF, Novartis, Grupo IUSA, and the Mexican Stock Exchange among others. Development of direct and indirect material purchasing system for Nestlé and Volkswagen. Savings of 90% of IT CAPEX and OPEX against original business plan by using open source solutions instead of proprietary software.

Software Development Manager, Aldea Systems. Naucalpan, MX – 1997-1999

Responsible for the company's Information Technology strategy, software development operation of the Data Processing Center. Direct responsibility for pioneering projects of their kind in world-class organizations. Among others, design and implementation of the Regulatory Management System for SHCP (Mexican IRS), Design and implementation of Electronic Banking for Banco del Atlántico (first of its kind in Latin America), development of



components for data visualization for IFE (Federal Electoral Institute) and bootstrapping the Monterrey Triara Data Center for Telmex and Hewlett-Packard.

NextGen / Global Enterprise Services. Princeton, NJ / México DF – 1995-1997
Technical manager for bootstrapping JvNCnet services in Mexico, including the installation and administration of servers, access and routing equipment. Analysis, design and implementation of LAN/MAN/WAN networks for customers.
Networking, security and systems consulting for corporate clients for Internet connection and operation.

Academic training

Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM CCM) - 2004
Master in Business Administration, specialized in Finance.

Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM CEM) - 1995
Major in Electronics and Communications Engineering, specialized in networking.

Skills

Architecture, design and operation of Infrastructure as a Service environments (Amazon Web Services, Digital Ocean, Azure, Linode, Google Computing Cloud, IBM Cloud).
Architecture, design and operation of virtualized/contaneirized environments (VMware, Xen, KVM, LXC, QEMU, VirtualBox, Vagrant, Docker, Kubernetes).
Implementation of Platform Engineering and DevOps/GitOps practices:
Configuration management / IaC (Puppet, Chef, Ansible, Terraform), Continuous Integration and Delivery (Jenkins, GitHub Actions, Gitlab CI/CD), Version Control (RCS, CVS, Subversion, git, mercurial, Rational ClearCase).
Operation and administration of Windows, MacOS and Unix operating systems, including Linux, AIX, HP-UX, Solaris, Dynix, NetBSD, OpenBSD and FreeBSD.
Software development in Java, Python, Perl, C, C++, Objective C, Groovy, GO/ Golang, Pascal, Delphi, Basic, Assembly (x86, 68000, 6502), JavaScript, CoffeeScript, VBScript, sed, awk, PHP, Forth, LISP, PL/SQL, PostScript.
Proficient in Web Frameworks (Catalyst, Grails, GWT, Spring, SpringBoot, Micronaut, Java EE, Roo, Play, Express, Mason, Dancer, Mojolicious, Django, React, Vue, Nuxt) and desktop environments (Griffon, MFC, Cocoa, Titanium, TK, WxWidgets).
Network service administration, including Application Servers (IBM WebSphere, Oracle Weblogic, Glassfish, Jboss, Geronimo, WildFly), Directory Servers (SunOne Directory Server, OpenLDAP, Microsoft Active Directory, Oracle Internet Directory, ApacheDS), Web Servers (Apache, nginx, lighttpd, Jetty, Caddy), Portals (WebSphere Portal, Oracle Portal Server, Apache Turbine, Sun Portal Server, Liferay) and E-mail (Exim, Qmail, Sendmail, Postfix).
Operation and administration of Relational Database Management Systems (Oracle, MySQL, MariaDB, PostgreSQL, Sybase, MSSQL, SQLite) and Non-Relational (NoSQL) Databases (CouchDB, Hadoop, CouchBase, MongoDB, Redis, Elasticsearch, TypeSense).
Soft skills in communication, mentoring, team management, project management, negotiation and conflict resolution.

Certifications

AWS Certified Cloud Practitioner
Linux Foundation Certified Engineer and System Administrator
Sun Certified Enterprise Architect
Sun Certified Network Administrator for Solaris 10 OS
Sun Certified Security Administrator for the Solaris 10 OS
Sun Certified System Administrator for Solaris 10 OS



Languages

Spanish (native speaker), English and Catalan.

