Jose L Cuevas

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Work Experience:

Project Coordinator/Lead Developer

University of Puerto Rico
Jardin Botanico Sur
187 Calle Flamboyan
San Juan, PR   00926

Period: OCT/2014 - NOV/2018

Project Manager and Lead for University initiatives to replace legacy Student Information Systems and related systems.

Direct line supervisor for a team of 12 developers, 3 system administrators and 3 functional leads.

Responsible for defining project requirements and deliverables, build and hire team members and developers.

Conduct planning and scheduling of activities, team stand-up meetings and other scrum/agile activities, review progress and deliverables. Conduct miscellaneous administrative tasks relating to personnel, purchases and budgeting.

Liaison with University management and stakeholders. Conduct meetings to inform project progress, issues, policy changes and others.

Responsible for documenting business specifications. Review laws and regulations, contact government agencies to discuss/address compliance requirements. Translate business specifications and user needs into software specifications for developers.

Coordinate, prepare and conduct functional meetings, validation sessions, and training sessions with users.

Responsible for the design of infrastructure architecture and operations. Coordinate and assign tasks to the operations/system administrators team.

Responsible for the evaluation of purchases and required services and contracts.

Act as lead developer responsible for the architecture design of the different software elements to be programmed, the design of integrations points and interfaces with external systems including Oracle E-Business System (HR and Financials), OpenVMS (Cobol) among others. Establish coding standards, code reusability and inter-operability, code structures, tools and frameworks use for development.

Conduct review of source-code, suggest changes, improvements and identify security risks in code. Responsible for reviewing and pushing code changes to production environments.

Provide coaching and support to developers, help with daily development tasks, conduct training session for developers.

Direct and conduct SCRUM/Agile activities with developers.

Develop software elements and applications in support of projects goals.

Software Consultant-Self employed

HC-5 Box 10857
Moca, PR   00676

Period: Jun/1998 - Present

Designed and developed a client-server Patient Record System for Pathology Laboratories. Originally developed in Visual Basic later migrated to a web application.

Developed HL-7 integration with Cancer Registry to exchange pathological reports.

Implementation of HIPAA Security requirements including assessments, contingency protocols, and automation of backups.

Developed a tool for the conversion of Visual Basic source code to RealBasic.

Worked on the development of a client-server application for the administration of correspondence and documents in the main offices of Puerto Rico's Department of Justice.

Worked on the extraction and conversion of binary data from a legacy mainframe application discontinued by a vendor for the Division of Stolen Vehicles of Puerto Rico's Department of Justice.

Developed a client-server application for the automation of operations of a company in the transportation, distribution and storage of cargo.

Designing and development of web sites.

Developed utilities and shareware for MacOS and Windows distributed over the internet.

Director, Office of Information Systems

University of Puerto Rico, Mayaguez Campus, Office of IT
PO BOX 9000
Mayaguez, PR   00681

Period: Nov/2009 - Nov/2013

Roles and responsibilities of IT Director were executed while continuing with previous responsibilities as software developer and supervisor of the Web Development Team.

Responsible for the management and oversight of information technology operations and logistics for the campus with an average of 13,000 students and 2,600 employees.

Responsible for translating and supporting executive management strategies and needs with proper technology alignment and execution.

Responsible for the planning, budgeting, development and implementation of numerous IT projects.

Responsible for the oversight of 28 employees. Acting as direct line supervisor of four employees in the operations and system administration section, three employees in the web development section, four administrative employees and three supervisors.

Responsible of the strategic planning and policy development for the replacement of a mainframe infrastructure based on OpenVMS/Cobol and the adoption of new technologies.

Conducted an overhauling of the data-center to address network capability, computational capacity, redundancies and risk mitigation, including new requirements to allow for the consolidation of data-centers. This included new routers for internal and external communications with redundancy of links among buildings and commodity internet; new switches, new cooling capacity with redundancy, new UPS and generators, a new firewall strategy, new network topology to ensure redundancy and better security, new physical and environmental monitoring of facilities, new fiber optics links between buildings and others.

Conducted an extensive upgrade of the wireless network across campus.

Executed strategies and plans to adopt and implement open source technologies for virtualization, cloud-like infrastructure management and other horizontal scaling technologies in our data-center.

Executed strategies and plans to improved managed computing across campus using Microsoft Active Directory.

Implemented extensive monitoring and automation of system administration tasks.

Developed strategies and plans for data-center consolidations across campus. These included policy, enabling support structures, moving server infrastructure to managed resources using cloud-like technologies and virtualization.

Developed and implemented multiple software solutions and procedures to increase operational capacity and reduce personnel and cost constrains.

Developed and implemented multiple software solutions across campus to reduce costs associated from the use of licensed software and overall operating costs.

Developed strategies and plans for paper-reduction in campus and the creation of online workflows and services.

Developed strategies and plans for the implementation of Content Management Solutions across campus.

Advised campus management in topics of technology and related operational improvements and efficiencies.

Responsible for creating and evaluating policies and procedures. Responsible for the implementation of policies and procedures to meet regulatory compliance, including FERPA, Section 508, HIPAA, Gramm–Leach–Bliley Act and other state and federal regulations.

Developed and execute a campus wide compliance framework to assets compliance status and bridge compliance gaps with required policy and procedures.

Responsible for the completion of internal and external IT Audits (including security audits and risks assessments). Establish and execute Corrective Actions Plans as required.

Responsible for the compliance and development of procedures related to Merchant Services used in online payments and others, including PCI.

Responsible for the development, coordination and testing of Contingency Plans and Business Continuity Plans for the Campus IT operations.

Knowledgeable in standards and practices established in frameworks like ITIL, COBIT, ISO 27001 and NIST-800-53.

Extensive knowledge on the use of collaborative tools, project management tools and methodologies.

Software Programmer and System Analyst

University of Puerto Rico, Mayaguez Campus
PO BOX 9000
Mayaguez, PR   00676

Period: Jun/2003 - Nov/2013

Lead developer responsible for the design and development of a web portal, application server and applications for academic and administrative operations including, online-payment, grading, course scheduling, degree audit and advising, course catalog system, enrollment and student records.

Responsible for the coding, debugging of software solutions to address institutional needs as required using various languages including C, COBOL, PHP, PERL, Javascript, Ruby and Java.

Responsible for evaluating institutional needs and problems, identify requirements, build specifications, define and design software to be developed or modified, identify changes to systems.

Responsible for the development of solutions to bridge mainframe OpenVMS applications (Cobol, C, DCL) in real-time with web applications and external systems.

Responsible for the development of data extracts, reports and data warehouses.

Responsible for the configuration of systems and software to fine-tune the scalability of different systems and mainframe applications.

Coordinated with system administrators the deployment and operation of new software. Aided in the troubleshooting of issues and improving of performance.

Developed Cobol 95 applications to bridge external systems and client-server applications.

Developed Cobol library written in C to allow Cobol mainframe applications to post data over HTTP to external services and systems in real-time.

Developed Cobol library written in C to allow Cobol executables to be used as standard CGI under a mainframe Apache Server, allowing external systems to exchange data with mainframe applications.

Developed TCP socket based printing service, MS Windows application and related Cobol libraries to allow Cobol applications to print labels, receipts and formatted documents (created in code) to printers attached to PC and laptops dynamically without the need to configure print-ques in the mainframe server.

Identified and assisted in the evaluation of source code changes to migrate Cobol applications from an Alpha Server architecture to a newer Itanium Server, including considerations for changes with new compilers, tools, and changes in the operating system.

Developed online payment applications with Bank's API and other common online payment processing services. Developed ACH integrations for processing of Direct Deposits with Bank.

Developed integrations for submission of data files for Social Security/Medicaid and W2.

Worked on multiple projects integrating disparate systems and solutions. Designed ETL operations and developed interfaces as required.

Coordinated and conducted training sessions for end-users related to software deployments, compliance issues or miscellaneous topics like security or technology skills.

Supported the operation of databases, and transactional exchange of data with Oracle in the mainframe server. Extensive work with databases including MySQL, Postgre, Oracle, MS SQL.

Extensive work with the use and development of web services and related standards like SOAP, XML/XSLT, REST and JSON. Developed solutions using advanced web-service security layers like ws-security, xml-signatures and others.

Proficient use of javascript. Extensive use of javascript libraries including JQuery, NormilizeJS, PrototypeJS and others.

Extensive work on the development of web content and applications using HTML5, CSS, javascript and PHP.

Designed and worked on the implementation of a multi-campus single sign-on solution using SAML2 and LDAP. Developed software for the administration, management of LDAP accounts.

Implemented multiple open-source projects including CMS (content management systems), Document Management Systems (DMS), LMS (learning management systems) and others. Developed integration points with these solutions including single-sign-on and authentication.

Develop in-house financial aid software including S2S integration with FSA-COD. Responsible for implementing software solutions to comply with the Federal Department of Education.

Campus technical liaison with consultants implementing Oracle Financials and Human Resources. Worked with consultants in the development of technical and functional specifications. Responsible for ongoing initiatives to interface satellite applications with Oracle Applications.

Develop and support in-house REST interfaces with Oracle Enterprise Applications (Financials, HR, Procurement).

Extensive work with scripting languages like PHP, JavaScript. Have worked with Java, JSP/Tomcat, Ruby, Python, Perl, Flash and SharePoint.

Avid programmer in C, C++, Cobol, Visual Basic, REALBasic and shell scripting. Knowledgeable on Objective-C/Cocoa and C#.

Familiar with OpenVMS, Solaris, Unix (Centos, RedHat, Ubunto), zOS and architectures like IBM, Integrity, Alpha and X86.

Director Internet Strategies and Development

University of Puerto Rico, Mayaguez Campus
PO BOX 9000
Mayaguez, PR   00681

Period: Aug/2003 - Nov/2009

Roles and responsibilities of Director Internet Strategies and Development were executed simultaneously with the responsibilities of software developer.

Responsible for defining institutional strategies for building a sustainable web presence, improving usability of web resources and content, make better use of web resources to enable self-services, engagement and reduce operational costs.

Lead developer responsible for the design and development of in-house web applications and web content with extensive use of databases and web-services.

Supervisor of a team of three developers responsible for the web presence of the campus.

Responsible for supporting and managing Content Management Platforms (Wordpress, Drupal, Joomla).

Responsible for the development of REST (JSON, SOAP, XML) based web services for academic and administrative processes and data.

Developed integrated solutions to adopt Google Apps for Education using SAML 2.0 standards including the implementation of Single-Sign-On.

Developed solutions in PHP, C, Perl, OpenVMS DCL and Cobol to bridge mainframe applications in real-time with web applications.

Responsible for migrating many paper-based services and processes to online services like transcript requests and many other. Build web-based workflows as part of our campus paperless initiative.

Responsible of the strategic planning for the adoption of new technologies.

Served as advisor in the discussion of institutional policy and initiatives for numerous committees.

Responsible for the development of policies related to web technologies and initiatives, including accessibility, design, security and usage.

Extensive work with web related technologies and programming languages like php, javascript, ruby, HTML5, CSS and others. Worked with other technologies like Java and JSP/Tomcat.

Experience in the operation and configuration of web servers, including Apache, NGINX, Tomcat, Linux (Centos, Red Hat, BSD, Solaris), OpenVMS.
Supervisor: Victor Diaz (1-787-832-40402055)
Okay to contact this Supervisor: Yes

Webmaster

University of Puerto Rico, Mayaguez Campus, Office of IT
PO BOX 9000
Mayaguez, PR   00681

Period: Jan/2000 - Jul/2003

Responsible for the administration and development of the campus website.

Coordinated, designed and developed web applications for services and information using CGI, scripting languages (perl, php), html, javascript, and relational databases. Extensive use and knowledge on HTML, javascript, perl, php, css, shell-scripting (bash) and linux tools.

Responsible for establishing institutional branding across the web. Including implementation of templates and related artwork and css.

Installed, configured and maintained http servers used by the institution and related server tasks using shell-scripting and the unix command-line. Knowledgable in the configuration, maintenance and operation of Apache HTTP servers, including security and performance tuning. Proficient use of command-line only interfaces in Linux, BSD, Solaris and OpenVMS.

Installed, configured and maintained database servers used by the different web applications. Knowledgeable on the configuration, maintenance and operation of MySQL. Knowledgeable on the operation of Oracle Database Servers with basic knowledge on the administration of Oracle Databases. Extensive use and knowledge of SQL, including reporting tools (Cristal Reports, BIRT, Oracle Discoverer, and other open source-tools).

Responsible for regulatory compliance with state and federal laws of online pages and applications, including FERPA, SECTION 508 and others. Developed initial policy and procedures for web development at campus, including accessibility policy.

Supported the operation of applications in JSP using TOMCAT and Oracle Databases. Performed routine updates to the TOMCAT environment, troubleshooted and fixed programs errors in the java code.

Performed basic networking administration of Solaris and Linux based servers related to the web-services operated including administration of IMAP and POP3 services.

System Administrator

University of Puerto Rico, Mayaguez Campus, English Dept
PO BOX 9000
Mayaguez, PR   00681

Period: Jun/1998 - Jun/2000

Responsible for the installation, configuration and maintenance of workstation and related software.

Responsible for the installation, configuration and maintenance of server software for MacOS and Windows computers.

Provided technical support for the Department's IT infrastructure.

Responsible for the development and maintenance of the Departments Web presence.

Developed CGI applications using C, Perl and AppleScript. Including solutions to assist in the teaching, exam administration and ESL initiatives at the Department.

Configured and maintained MacOS web server infrastructure.

Developed tools and solutions in C, REALBasic and Java to mechanize, and simplify administrative tasks at the Department and those related to the administration of the IT Infrastructure.

92M, Mortuary Affairs Specialist

US Army 21st TACOOM USA-MAAE
CMR 402
Landstuhl, Rheinland-Pfalz   Germany

Period: Jan/1995 - Feb/1998

Supported pathologist performing autopsies.

Supported morticians in the embalming or remains, preparations for burials/cremations and transferring of remains to CONUS.

Supported recovery missions in theater of operations including recovery of WW2-KIA in Europe.

Developed a visual basic application to aid with the in-processing of remains.

Education

University of Puerto Rico at Mayaguez Mayaguez, PR
Bachelor's Degree 08/2002
Major: Information Systems
Honors: Magna Cum Laude, GPA: 3.9

Officer Training School, US-AF, Lackland Air Force Base, Texas, Jun/2002

PLDC, Primary Leadership Course, US-Army, Ft. Jackson, South Carolina, Feb/1995

Basic Training, US-Army, Ft. Jackson, South Carolina, Oct/1992

Affiliations

Caribbean Renewable Energy Society - co-founder
Borinquen Beach Rescue (Rescate de Playas Borinquen) - Member
Team Rubicon - Member

Additional Information and Skills

Proficient in the programming languages: C, C++,Cobol, PHP, Javascript, VisualBasic, RealBasic, ASP .

Knowledgeable in the programming languages: Objective C/Cocoa, Perl, Swift, Java,JSP, C#, Phyton, Ruby, Assembly.

Proficient with HTML5, CSS, SASS, JQUERY, SQL, MYSQL, Oracle DB/PLSQL.

Some experience with NodeJS, Angular, VueJS and ReactJS.

Proficient with development, and operation of web-services and inter-operability tools, transactions/service ques, including JSON,SOAP, REST, XML, Apache ActiveMQ, Redis.

Proficient in the use of version control systems SVN and GIT.

Proficient with the use and administration of Linux, Mac, Windows

Proficient in the operation and administration of Apache, NGINX, MariaDB, MySQL, OpenSSL, SVN Server.

Some experience operating Tomcat servers, MS SQL servers, Jasper.

Proficient use of command line environments CLI in Linux, BSD/Mac, OpenVMS, Solaris.

Proficient in the use of the virtualization environments VirtualBox, KVM and Docker.

Knowledgable in shell scripting for Linux and OpenVMS (DCL).

Knowledgable in the administration of some aspects of Window Servers.

Proficient in topics and requirements of PCI Compliance, ITIL, COBIT, ISO/IEC 27000.

Proficient in software methodologies using Scrum/Agil.

Proficient user of several PM tools and methodologies including MS Project.