

**Jose L Cuevas**  
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**Availability:**    **Job Type:** Permanent  
**Work Schedule:** Full-Time

**Desired locations:**    United States

**Work Experience:**    **Self employed**    **06/1998 - Present**  
Aguadilla, PR    United States    **Hours per week: 25**  
**Software Consultant**  
Designed and developed a client-server Patient Record System for Pathology Laboratories. Originally developed in Visual Basic and migrated to a web application in 2008 with extensive use of AJAX and XML technologies. Currently in used by five laboratories in Puerto Rico.

Developed tool for the conversion of VisualBasic source code to RealBasic.

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

Worked on the extraction,conversion and migration of binary data to a database driven application from a legacy mainframe application for the division of Stolen Vehicles of Puerto Rico's Department of Justice.

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

Extensive work designing and developing web sites including e-commerce.

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

Knowledgeable on the use of the web-frameworks: CodeIgniter, Handlebars, and others.

Worked on the development of solutions using node.js.

Development of the framework ExpressCode at [expresscode.org](http://expresscode.org).

**University of Puerto Rico, Mayaguez**    **11/2009 - Present**  
**Campus, Office of IT**    **Salary:** 1,881.66 USD Per Month  
PO BOX 9000    **Hours per week: 40**

Mayaguez, PR 00681 United States

**Director, Office of Information Systems**

**Supervisor:** Jorge Rivera Santos (1-787-832-4040)

**Okay to contact this Supervisor:** Yes

Supervision of 28 employees. Direct line supervisor of four employees in the operations and system administration section, three employees in the web development section, three supervisors and four administrative employees.

Responsible for the management and oversight of information technology operations, logistics for the campus.

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

Developed strategies and plans for data-center consolidations and multiple data-center developments and improvements, specially in areas of virtualization, monitoring and administration.

Developed and implemented multiple software solutions and procedures to support the efficient use of limited human resources.

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.

Provide advisement to executive 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 for regulatory compliance, including FERPA, Section 508, HIPAA, Gramm–Leach–Bliley Act and other state and federal regulations.

Responsible for the completion of internal and external IT Audits (including security audits). 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 Continuation Plans for the Campus IT operations.

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

**University of Puerto Rico, Mayaguez**

**06/2003 - Present**

**Campus, Office of IT**

**Salary:** 1,800.00 USD Per Month

PO BOX 9000

**Hours per week:** 40

Mayaguez, PR 00676 United States

**Software Developer and System Analyst**

**Supervisor:** Jorge Rivera Santos (787-832-4040)

**Okay to contact this Supervisor:** Yes

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

Developed solutions to bridge OpenVMS applications (Cobol, C, DCL) in realtime with web applications.

Worked on multiple projects integrating disparate systems and solutions. Developed interfaces as required.

Extensive work on 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 with AJAX and JSON.

Extensive use of javascript libraries including JQuery and PrototypeJS.

Extensive work on the development of web content and applications using HTML, HTML5, CSS, DHTML, javascript and PHP. Integrated social media and functionality into web pages and web applications, including Twitter, Facebook and others.

Developed solutions to automate content publishing from different sources into the campus web-presence including pushing content into social networks.

Developed integration solutions to adopt Google Apps for Education using SAML 2.0 standards including the implementation of Single-Sign-On. Knowledgeable on the use of Google API using GDATA and others.

Worked on the implementation of a multi-campus LDAP solution in support of single-sign-on. Developed software for the administration, management and reporting of the multi-campus LDAP solution. Knowledgeable on the use and programming of LDAP, the administration of OpenLDAP, and the integration and use of LDIF schemas and other LDAP related subjects.

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

Responsible for the establishment and development of kiosk applications for the self-service initiative in campus, including development of web-based kiosk interface with a DHTML-keyboard, printing, access to barcode and magnetic card readers using LAMP and Firefox.

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

Worked on the implementation of online payment for different campus services, tuition and others.

Responsible for implementing technology to comply with the Federal Department of Education.

Key enabler and campus technical contact with the consultants for the implementation of Oracle's Financials and Human Resources as part of EBS. Responsible for ongoing initiatives to interface satellite applications with EBS.

Worked with consultants in the development of technical and functional specifications.

Responsible for the development of an Electronic Signature initiative in campus and its related policy. Responsible for the implementation of a PKI infrastructure in campus and developed web solutions to enable its use across many services.

Extensive work with scripting languages like php, perl, asp. Have worked with Java, JSP/Tomcat, Flash and CodeFusion.

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

Proficient use of development environments including XCode, Visual Studio, Eclipse and others. Experience in the use of version control tools including SVN, CVS and Git.

Experience in the use of project management tools, UMLs, project methodologies (Agile and SCRUM), and writing specifications and other technical documents.

Experience developing networking applications in C for Linux, Mac and OpenVMS. Developed many desktop utilities and client server applications. Knowledgeable on network programming including rpc, sockets, tcp and udp.

Experience working with the configuration, installation, administration and troubleshooting of web related services including Apache HTTP, OpenSSL, IMAP, POP3, PAM, OpenLDAP, ProFTPD, vsftpd, NGINX, SVN and other services.

Experience working and performing system administration tasks with Linux, BSD, MacOSX and IIS. Experience with OpenVMS.

Experience using virtualization technologies including VirtualBox, XEN, KVM, VMWare and VMWare ESXi. Familiar with Linux Containers LXC, Amazon EC2 and Eucalyptus.

Extensive work on relational database systems including MySQL and Microsoft SQL. Knowledgeable on the use and optimization of SQLs. Used reporting tools like Crystal Reports, Oracle Discoverer, BIRT and other open source-tools.

Worked with Oracle Database. Familiar with Oracle EBS platform and development, including PLSQL.

**University of Puerto Rico, Mayaguez Campus 08/2003 - 11/2009**

Mayaguez, PR United States

**Hours per week: 40**

**Director Internet Strategies and Development**

**Supervisor:** Victor Diaz (1-787-832-40402055)

**Okay to contact this Supervisor:** Yes

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

Developed solutions to bridge mainframe applications in realtime with web applications.

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

Responsible for the development of SOAP based web services for academic data.

Responsible for the establishment and development of kiosk applications for the self-service initiative in campus.

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

Responsible for implementing technology to comply with the Federal Department of Education.

Key enabler and campus technical contact with the consultants for the implementation of Oracle's Financials and Human Resources as part of EBS. Responsible for ongoing initiatives to interface satellite applications with EBS.

Served as the campus coordinator for the implementation of Oracle's Student System. Provided key expertise in the development of migration strategies. Responsible for providing guidance and risk assessments for the implementation. This project was abandoned on summer 2009.

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

Responsible of the strategic planning and policy development for the replacement of our mainframe infrastructure and adoption of new technologies.

Responsible for the development of an Electronic Signature initiative in campus and its related policy. Responsible for the implementation of a PKI infrastructure in campus and developed web solutions to enable its use across many services.

Responsible for the development of the campus' many web related policies including accessibility, design and use.

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

Extensive work with scripting languages like php, perl, asp. Have worked with Java, JSP/Tomcat, Flash and CodeFusion.

Avid programmer in C, Cobol, Visual Basic, REALBasic and shell scripting. Experience developing networking applications in C for Linux, Mac and OpenVMS. Developed many desktop utilities and client server applications in support of our duties.

Fluent knowledge on the use, configuration and maintenance of server operating systems like Linux, BSD, MacOS X and IIS.

Extensive work on relational database systems including MySQL, MSSQL and Oracle. Knowledgeable on the use and optimization of SQLs.

Extensive work on the use and development of web services and related standards like SOAP, REST and JSON.

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

**01/2000 - 07/2003**  
**Salary:** 7,740.00 USD Per Year  
**Hours per week:** 20

**Webmaster** PR 00681 United States

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. Knowledgeable 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. Develop 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.

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

**06/1998 - 06/2000**  
**Hours per week: 20**

Mayaguez, PR 00681 United States

**System Administrator**

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 application for a MacOS Web Server using C, Perl and AppleScript. Including solutions to assist in the teaching, exam administration and ESL initiatives at the Department.

Configure and maintain MacOS web server infrastructure.

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

**Education:** **University of Puerto Rico at Mayaguez** Mayaguez, PR United States  
Bachelor's Degree 08/2002  
**GPA:** 3.9 of a maximum 4  
**Major:** Information Systems **Honors:** Magna Cum Laude

<b>Language Skills:</b>	<b>Language</b>	<b>Spoken</b>	<b>Written</b>	<b>Read</b>
	Spanish	Advanced	Advanced	Advanced

**Affiliations:** Caribbean Renewable Energy Society - co-founder

<b>References:</b>	<b>Name</b>	<b>Employer</b>	<b>Title</b>	<b>Phone</b>	<b>Email</b>
	Jorge Rivera Santos (*)	University of Puerto Rico	Chancellor	787-832-4040	rector.uprm@upr.edu
	Pablo Rebollo (*)	University of Puerto Rico	Special Aid to the Chancellor	787-832-4040	pablo.rebollo@upr.edu
	Victor Diaz (*)	University of Puerto Rico	Former Director of IT	787-832-4040	victor.diaz@upr.edu

(\*) Indicates professional reference

**Additional Information:** Proficient in the programming languages: C, C++,PHP, Javascript, VisualBasic, RealBasic, ASP.  
Knowledgeable in the programming languages: Objective C/Cocoa, Perl, Java,JSP, C#, Phyton, Ruby.  
Proficient with HTML, HTML5, JQUERY, Javascript, JSON,SOAP, XML, SQL, MYSQL.  
Proficient with Linux, Mac, Windows, Apache, NGINX.