Kattia Marin Robles

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BACKGROUND

IT Specialist with a diverse and large technical background with over 15 years of professional experience. My experience spans the full software life cycle including: test program development with an excellent understanding of business needs and requirements from the technical point of view, design, develop, test, deploy, maintain and improve software. Manage individual project priorities, deadlines and deliverables. Design, implement and launch highly-visible, partner and end user-facing features. Design and develop large scale web applications. Development experience in Java, JavaScript, C++, C#, Python, JavaScript, AJAX, HTML, CSS and Web application on different Linux distributions (RedHat, Slackware, OpenBSD) and Windows. I also did in the past some project that required recompiling the Linux kernel for supply a particular need.

EXPERIENCE

Programmer/ IT Specialist at CGI Tech and Solutions, Inc.   **01/16 – Present**

Primary duties is modernizing and improving the Online Resource for the Children of Alaska (ORCA) website for the State of Alaska. State of Alaska Department of Health and Social Service employees rely on ORCA to resolve their cases and prioritize their duties and thus, my role was to improve ORCA functionality. To date, the ORCA website modernization upgrades have significantly improved case management and work efficiency for ORCA users. This upgrades allows ORCA to separate presentation functionality from business functionality into tiers that are modular and flexible. Full ORCA website modernization is anticipated to be complete in December 2017. Technologies utilized include WebSphere and InfoPath while languages/tools utilized include: Java, HTML5, CSS, and JQuery.

As part of a team which included Deloitte staff, provided expert level IT service expanding Medicaid in Alaska. The Medicaid expansion project involves a serial of eligibility determination rules from the framework side where qualified applicants can apply for benefits within the State of Alaska. The Medicaid expansion project was implemented to improve State of Alaska employee's ability to evaluate Medicaid cases and prioritize their caseloads. Once the expansion project was complete, we significantly improved State of Alaska employees' abilities to manage their cases and reduced the time at which Medicaid cases were resolved.   Utilized Rest Services, API, and Web Services, Jira, SQL, and Jama in order to mine data and complete tasks assigned. Also utilized Python and Perl for report data extraction and extracting Jama test case lists. Other languages/tools utilized: Java, WebSphere.

Systems Analyst Contractor at State of Alaska   **9/14 – 06/15**

Reports development using XSLT. Implemented authentication methods design (Kerberos as requested authentication method). Development of Web Services using WCF 4.5 Multi-Layer Services Development with Entity Framework. Performed Black Box testing of XSLT reports. Languages utilized: C# .Net, XSLT, XML. Specific job duties/accomplishments are confidential; however, in general completed tasks served the State of Alaska needs and improved the accuracy of information obtained.

Senior IT Analyst at IBM Global Solutions   **08/11 – 05/14**

As part of team, responsible for development, delivery, and maintenance of servers related to the IBM W3 network financial and contract process. We provided improved services and solutions to internal IBM customers to speed up patent registration, and contract invoice processing which resulted in hundreds of satisfied customers throughout the world. Managed multiple projects using PHP through CakePHP, Java, Ruby on Rails and Python over Django. Responsible for coordinating meetings, schedules and releases for Single Sign On Platform. In charge of production Server development and release software products using Linux environment with Java. Responsible for coordination and implementing authentication methods, primary and intermediate certification, design and performance of nodes/cluster removals. Languages/tools utilized: PHP, CakePHP, Java, Ruby on Rails, Python.

Systems Analyst/Consultant   **02/11-9/11**
Contractor

The primary customer was OnStar and most of the consulting was performed upgrading its website. Based on my changes, the OnStar website was improved by becoming more enjoyable to search and it is now viewable by anyone registering an account.
Languages/tools utilized: JQuery, CSS, and Java.

Senior Programmer Analyst at Bac San Jose   **11/09 – 01/11**

Senior Collaborator / Developer and Project Manager for CCSS fix module at www.bac.net. CCSS module is related to the Costa Rica Social Security System. My primary duty or purpose was to guarantee the system was safe so that the external customers (companies and individuals) were able to process the payments without delay or issues. Constructed a smart module to handle payments during holidays and weekends. Introduced a series of improvements in order to control traffic payments especially during busy days which improved the customers trust in the online banking system. Used Agile and my role as Scrumaster for scrum meetings. Analysis, design and development using WebSphere IBM products for electronic banking located at www.bac.net. Main code language utilized was Java. Multiple sockets were utilized for communicating with different clients. Managed WebSphere application server usage. I was in also charge of the QA Master Plan for the integration Stage. Programming improvements to the social security system improved the functionality, security and speed of online banking transactions.

Web Site Developer/ Architect /GUI Developer   at Einfotek – Contract to Clear Science Corporation   09/08 – 09/09
Was part of a research physics team that successsfully analysed and designed a graphical users interface simulator using Java coding. Job purpose was to provide innovative solutions to visualize modelled data without performing real experiments. The team develops computational models of complex physical systems for prediction and control, design optimization, and uncertainty analysis. Applications ranged from robust control systems in aircraft to the multi-disciplinary optimal design of processes and products in the medical, manufacturing, and aerospace industries. Our team acted as a provider for several customers. Other tasks include: Web design, implementation, testing; release, bug tracking and creating a Web site for tracking the defects for this application; simulation of designs for customers; peer review /implementation development of user-acceptance and performance test case; and implementation of QA master Plan and Scrum meetings. Languages/tools utilized: Java, PHP, FORTRAN

QA Manager at Roundbox Global   01/08 – 08/08
Job purpose was to evaluate and manage the quality assurance system during software development. Authored a QA Master Plan, Smoke Test Plan, and Full Test Plan and the automation proposal for software testing. Managed a team to release the software product to the final customer. Implementation and development of user-acceptance and performance test case, and integration in Java. Design and implementation of QA Master Plan. Responsible for managing the project implementation, perform peer review, and sign off the final product to the customer. Project software development using Agile. Completed tasks and follow up with peers to assure a timely closure. Management of test automation system for LMS Score Web Based Tutoring Sites. Provided the automation test solution for every build, and provided feedback to the sprint cycle. Gave the right feedback in order to allow the project manager to close the sprint and prepare for the next release and enhancements. Responsible to reduce to about 10% the rework, executing the right actions in the right points of the development cycle through agile. As a team, we improved the peer review classifying and reducing the defects. In this way, we increased the acceptance level to 95% from 70% for minor bugs and 0% for major bugs. Languages utilized include: Java, Action Script and Flash.

Product Development Engineer   11/04 – 11/07
Intel Corporation
Worked on several projects and test program development for Dual Core and Quad Core processors. Duties included creating database schema and structure using SQL Server 2000, system interfaces development using ASP.NET and user interface development. Completed functional tests of hardware with a level acceptance of 100%. Constructed a three layer Web Site development using Perl and DBI connectors to be used between MySQL and SQL Server for Linux OS. Tracked software bugs inside One, a product that emulates processors tests and was able to deliver the product about 5 weeks ahead of schedule. Project completion increased Intel Corp. revenue by $2 million. Languages utilized include .NET and C++.   Data tokens were collected from different testing sockets (structural, functional and QA) to measure processor speed, temperature, cache size, and other metrics.   Languages utilized include: C++, ASP.Net, Perl, and Python.

Information Technology Consultant / Knowledge Management Consultants (KMC)   02/02 – 01/04
Job purpose was to provide consulting services for different customers such as Amanco, S. A., Nueva Group, ICE, and Investment Founds Society of National Bank inside Central American Region. Conducted user requirements analysis and Web Site development for the following URLS: www.amanco.com, and www.nuevagroup.com. Lotus Application creation to control investment and retirement funds. Data collection from the back end and front end to collect information needed for the application and reports. Database model design, development, testing and build release. Utilized the following: Lotus Notes, SQL Server 2000 Server and Oracle 9i. ASP, DBI and DBM libraries creation, CGI codification, HTML, and regular expressions.

Fundacion Omar Dengo   02/99-01/01
As part of a team, utilized Flash and HTML to create the first web site for a government supported institution related to education.

Worked on adult computer literacy program as a trainer. Worked as programmer teacher using Microworlds and Lego. Language utilized: HTML, Flash, JavaScript.

EDUCATION
Costa Rica Institute of Technology
Bachelor of Science Degree in Computer Science
Pursuing Master Degree Program in Project Management

CERTIFICATIONS
Stanford University
Silicon Debug and Defect Testing | High Volume Manufacturing from Microprocessor | Scan Test Optimization | Seven Deadly Sins in Silicon Debug | Silicon Physical Debug | Probing and Editing |Reliability and Wear out | The Quality Connection | Introduction to Intel Tester Universal File Format (iTUFF) | X-Compact+XPAND low-Cost High Quality Scan Test Solution | Design for Test/Debug (DFX)
Softest
Digital Test Technology Course
Coursera
Parallel, Concurrent, and Distributed Programming in Java – Rice University (on going)
Pattern-Oriented Software Architectures: Programming Mobile Services for Android Handheld Systems - Vanderbilt University
Cloud Computing Concepts - University of Illinois at Urbana Champaign
Information Security and Risk Management in Context – University of Washington
Lotus Authorized Education Centre
Application Development 1 and 2
Softest
Digital Test Technology
Gabriel Reynoso Centre
Fast reading techniques
Bac San Jose
"IT Government"
"Team Work for successful executives"
CGI
Management Foundation Platform
Resilient Scale / Pivotal
Cloud Foundry Native Development 2017

HOBBIES/INTERESTS
Raspberry Pi 3 Development for home automatization projects and security and machine learning using Tensor Flow. I love to do research about ways to do things more efficient with fewer resources. I enjoy challenging my own beliefs about things. I love nature photography and read about astronomy especially black holes and universe configuration. Mathematical proofs like Fermat theorem always capture my attention during my free time. I love symbolic math proofs about anything and understand how something was concluded. I invest most of my free time reading about math history and solutions to math problems and volunteering. People who inspire me are Leonardo Da Vinci, Galileo Galilei, Nicholas Tesla, Marie Curie, Hypatia, Heidi Lamarr, Ada Lovelace, the six extraordinary women who programmed ENIAC, Margaret Hamilton, and my family who helped me pursue my career goals. I enjoy reading about science and electricity and understanding how things are made and work from inside. I enjoy listening to Bach, Joe Satriani and Gustavo Cerati.

AWARDS/ RECOGNITIONS
IBMERS Values for Customer Orientation and Result Orientation.
Quality and Result Orientation. Costa Rica Assembly Test NPI Recognition
Site Team Award for Tulsa 3.5 Ghz & Ramp Team. Intel Costa Rica
Outstanding Role Modelling Calistoga XRB. Intel Costa Rica.
Result Orientation Tulsa bin 98 investigation and solutions. Intel Costa Rica.
Result Orientation, GPTW & Quality LOH validation and disposition. Chipsets. Intel Costa Rica
Outstanding Role Model Quality and Results Orientation, allowing Intel to increase the revenue by $2 Million. Intel Costa Rica
Quality and Results Orientation for dedication and hard work on implementing tiny wire screen for Calistoga Products. Intel Costa Rica
Costa Rica Math Olympics Competition, second place. Costa Rica Public Education Minister