Cesar Augusto Cantu Varela

Lead Z/Os Mainframe Application Developer

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**EXECUTIVE SUMMARY**

* Over 15+ years of Professional Experience in Planning, Analysis, Design, Development, Testing, Implementation Deployment and Support of applications using Mainframe technologies.
* Working Experience in Corporate and Retail companies on their infrastructure, banking, replenishment, logistics and financial functional areas.
* Experience working with Scrum methodologies such as Agile using the Waterfall method, Kanban and Sprint boards for work organization.
* Scrum ceremonies participation such as daily meetings, cards qualification using Fibonacci pointing method, sprint end meetings and sprint start meetings.
* Programs development, debugging and testing based on Program specifications created by an external or self-generated technical specifications according to business requirements.
* Program promotion into production doing the required procedures, documents creation and approvals needed to implement.
* Production support for implemented programs.
* Familiarized with PANVALET utilities during hands-on team activities.
* Program tunning and troubleshoot.
* System Analyst role - Ability to analyze and understand the functionality of the programs.
* +6 years worked on production support, bug fixing and improvements implementation for logistics and taxes calculation on Brazil. Systems with.
* 6 years exp. Using API interfaces of Mainframe with Java web services, WebSphere (MQ) and Dynamic CALLS from Maingrame to API control programs.
* +3 years of experience on reverse engineering of Easytrieve programs to be converted into COBOL programs, JCL utilities such as SORT, IDCAMS, IEBGENER, ICETOOL or any other utility that meets with the program’s functionality.
* +2 years of extended use on MQ Websphere for Backroom projects receiving information from the points of sales to be processed to generate markdowns.
* 2 Year of experience on z/OS Basic Assembler Language (BAL) for Mainframe.
* Basic Knowledge on PL/1 and REXX, Hands-on experience.
* Technical Design, Unit test and Business design requirements documents creation.
* Effort estimations. Technical lead role.
* Utilized TSO for daily development tasks, streamlining mainframe processes and improving productivity by 20%.
* Familiarized with ADABAS utilities during hands-on sessions.
* Utilized File-AID for efficient dataset browsing and editing.
* Knowledge on IDMS: ADS/O batch, ADS dialog compiler (ADSC), Online maps
* MAPC, DMLO, PFCH, OLP, IDD and DME.
* Wide interaction with business clients, customers and final users for better understanding for the system and / or requirements for development or bug fixing matters.
* Open to hear and help others to get the work completed, always open to share knowledge and mentor.
* Assisted in the development and support of IMS databases for large-scale transactional processing, enabling efficient data management and retrieval.
* Team member before team leader, always willing to help anyone with their issues instead of leaving the problems to become bigger.

**Technical Skills:**

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| **Languages** | COBOL, JCL, CICS Easytrieve, REXX, C++, Natural and Java |
| **Databases** | IBM DB2, IBM IMS, ADABAS |
| **Tools:** | JIRA ServiceNow, Control-M, Changeman |
| **Methodologies** | ITIL, Waterfall, Agile: Scrum and Kanban. |
| **Operating Systems** | Windows, Linux, zOS |
| **Other** | Global Confulence |

Education

Bachelor’s Degree in Electronics Engineer at Instituto Tecnologico de Aguascalientes, 2003-2008.

**PROFESSIONAL EXPERIENCE**

**Lead Mainframe Developer / Production Support**

**Citi Bank | January 2024 – Present**

**Key Responsibilities & Achievements:**

* **Leadership & Oversight:** Leading a team in managing and supporting CICS screens and batch programs, ensuring seamless application performance and minimal downtime.
* **Incident & Problem Management:** Spearheading production support efforts, proactively analyzing system issues, troubleshooting batch jobs, and implementing fixes to maintain high system availability.
* **Strategic System Analysis:** Conducting root cause analysis (RCA) for critical issues, optimizing workflows, and enhancing system stability across mainframe applications.
* **Middleware & Integration:** Managing MQ interfaces for seamless communication between distributed and mainframe systems, ensuring message integrity and performance.
* **Release & Change Management:** Overseeing Changeman deployments, including program compilation, package creation, and promotion into testing and production environments for both CICS and Batch applications.
* **Development & Optimization:** Leading the development and optimization of COBOL/DB2 and JCL programs, ensuring efficient database interactions and application performance.
* **Database Management & Testing:** Utilizing SPUFI for querying records, executing DB2 queries to validate test scenarios, and improving data accuracy in business-critical applications.

**Key Contributions:**

* Enhanced production system efficiency and stability by identifying and resolving recurring system bottlenecks.
* Led cross-functional collaboration between development, QA, and operations teams to streamline deployment and incident resolution.
* Implemented best practices in debugging and optimization, reducing system downtime and improving response time for critical applications.

**Mainframe Developer /Support at Wal-Mart**

**Wal-Mart April 2020 – November 2023**

**Responsibilities:**

* Job organization using JIRA cards.
* Scrum ceremonies - Daily standup calls, Weekly and biweekly calls for sprint status, sprint start and end and cards qualification using Fibonacci method (1, 3, 5, 8 and 13 points)
* CA7 scheduler and starting with Control-M
* Decommission for unused JCLs, programs and reports.
* Reintegrate the remaining JCLs to continue working without issues after decommissioning.
* Easytrieve to COBOL migration.
* Coding for reverse engineering converting Easytrieve programs into COBOL programs, low and high complexity programs.
* Analysis and reverse engineering for complex programs to tune up into a JCL utility to improve performance using SORT steps, most commonly used to replace reports generation, DB2 processing and internal sorts.
* Removal for unused JCL steps and restructure the JCL steps to reduce the amount of code lines.
* Project with the use of Web Services and MQ websphere messages receivings of POS, gathering the hourly sales into a Teradata database (migrated into GCloud) and at the end of the day generate markdowns.
* Assisted in simple data retrieval tasks from ADABAS databases.
* Basic Assembler Language to generate specific routines for better system behavior
* Mass implementation for converted programs, changes for decommissioned programs on the respective JCLs.
* Production support after implementation, quick response if any issue appears.
* Team leader support on daily meetings having constant communication between team mates to accomplish their tasks on time and meet the delivery times on each sprint. If any roadblock appears always being part of the solution and attack to resolve.

**Mainframe Developer / Support / System Analyst at Wal-Mart**

**Logistics Tax Module production support – Wal-Mart Brazil July 2014 – March 2020**

**Responsibilities:**

* COBOL programs for CICS environment. Online programs and Debug of CICS programs using XPED.
* Web services creation and test between Java and Mainframe.
* Websphere MQs as a middleware to interact with different functional areas (replenishment, logistics, Inventory, Accounts payable, government, SAP among others)
* System for Logistics and Tax calculation implementation for Brazil on site (2013)
* Unit test and System integration tests to ensure functionality with all programs and JCLs on the chain.
* Production support for Tax calculation and Logistics for Brazil, client business, managers and end users interaction (Portuguese language) to understand issues, business rules, improvements and internal projects that requires code changes.
* Project Developments using COBOL / CICS / DB2 with MQ.
* API services created to interact with Java webserevices, Mainframe control programs creation to direct the information flow to the system processing information to get the processed data.
* Improvements developments.
* Bug fixing.
* On call attendance, 24/7 troubleshooting service.
* Business Analyst role – Business design document creation before Technical Design document.
* Job organization using Waterfall methodology.

**Mainframe developer at Wal-Mart.**

**Location: Aguascalientes, Ags MX October 2009 – June 2014**

**Activities:**

* Systems integration for Infrastructure applications, activities to integrate systems for a current location into another.
* Creation of new database tables for integration proposes
* QMF DB2 tool usage (SQL)
* Unit test and System integration tests to ensure functionality with all programs and JCLs on the Jobs chain.
* Programs analysis to identify errors and bugs.
* Development project support (Expert team to fast troubleshoot issues).
* VSAM files usage for logging errors, programs messages for online COBOL programs, identify issues to correct them.
* Search and correct bugs.
* Generate documentation required to implement changes and correct bugs on programs.
* Use of XPED transaction to debug CICS online programs.
* Use of DBGDEV command to debug using the “Display” messages method for Batch programs.
* Onsite support before and after system implementation.

**Mainframe Developer – Wal-Mart**

**Wal-Mart Location: Aguascalientes, Ags MX January 2008 – August 2009**

**Activities:**

* Code generation, technical design and documentation for Z/OS components (COBOL language, using structured programming method, JCL language for batch processes and Easytrieve)
* Test cases creation.
* Unit test and System integrated tests (end to end testing)
* Easytrieve language to generate reports or matching files processes.
* Peer reviews for codes among developers.
* Code review with process experts before implementation.
* JCL code with most common predefined tools such as IEFBR14, SORT (Include, Omit, HEADER for reports, Joinkeys) IDCAMS, IEBGENER and FILE-AID.
* Files creation such as Flat files, Partitioned data sets GDGs and VSAM.
* Generate override jobs to solve current production issues or if in a process is required prior to an implementation execute such job. One time job execution.
* Databases tables creation on development environments.
* Use of ISPF (Interactive System Productivity Facility); Copy, delete, rename, edit files and the use of the editor for COBOL, JCL, EASYTRIEVE, etc.).
* CICS Screens creation.
* IMS basics.