PERSONAL INFORMATION

Alexandru-Daniel STAN

Phone Number:

E-mail : alexandru.stan1@yahoo.com

Sex Male | Date of birth | Nationality Romanian

WORK EXPERIENCE

25/03/2021-PRESENT

Google Cloud Solution Architect and Technical Lead

Deutsche Bank Global Technology,

Address: 6A Dimitrie Pompeiu, Bucharest Romania, 020337

Website: www.db.com

Main Activities:
1. Technical Lead for a team of 5 members;
2. Solutions for architectural integration between on-premise systems and Google Cloud Platform (GCP) services (DataFlow-Java, BigQuery, Cloud Composer, Cloud SQL, Cloud Storage etc)
3. Extending on premise applications data model for GCP BigQuery;
4. Create infrastructure resources using Terraform;
5. Creating CI/CD for code deployment using Git;

12/12/2019-15/11/2023

Solution Architect and CRM Developer – Freelancer

Salesforce
Main Activities:
1. Development of Salesforce projects using programming and declarative method;
2. Designed and implemented Apex classes utilising Object-Oriented Programming (OOP) concepts, such as encapsulation, inheritance, abstraction, and polymorphism, to create modular and scalable solutions;
3. Used various protocols and APIs such as REST, SOAP and platform events to ensure efficient data synchronisation and communication;
4. Implemented the SOQL query language for strategic data extraction and management, ensuring efficient database interactions;
5. Worked with both Lightning Web Components (LWC) and Auraframeworks, adeptly creating dynamic and user-friendly interfaces for elevated user experiences.

Siebel CRM Helpdesk
Main Activities:
1. Auditing the entire CRM system from the development point of view;
2. Solving all the development problems and implement new flows (Siebel Objects, Workflows, Open UI);
3. Acting as a Solution Architect for the Siebel System;
4. Upgrading the current developments -Incremental Repository Merge - and Enable OPEN UI (Javascript);

Siebel CRM ERDR
Main Activities:
1. Auditing the entire CRM system from the development point of view;
2. Solving all the development problems and implement new flows (Siebel Objects, Workflows,Open UI, Inbound WS Integrations etc);
3. Acting as a Solution Architect for the Siebel System;
4. Installing and Configuring Siebel CRM 8.2.2.4
5. Upgrading the current developments -Incremental Repository Merge - and Enable OPEN UI (Javascript);

| 19/10/2019-25/03/2021 | **Solution Architect and Technical Lead** |

Deutsche Bank Global Technology,

Address: 6A Dimitrie Pompeiu, Bucharest Romania, 020337

Website: www.db.com

Main Activities:
1. Designing data integration and data flow in a complex DWH system (ETL, Soap/Rest Web Services, PL/SQL);
2. Coordinating from technical point of view, a team of 4 members;
3. Technical management for internal development solutions;
4. Modelling DWH data model (Power Designer);
5. Acting as an interface for the consumers, taking decisions on how we will provide data;
6. Participate and help on the analysis part;
7. Participating in the deployment process;
8. Performing PL/SQL, SQL Tuning;
9. Acting as a single point of contact for our consumers;
10. Creating and tuning staging/loading ETL stored procedures and ODI Jobs in order to load data;

| 01/11/2016-18/10/2019 | **CRM Developer and ETL Developer** |

Raiffeisen Bank Romania,

Address: No.246C, Floreasca Sky Tower, District 1, Bucharest, Postal Code 014476
Website: www.raiffeisen.ro

Main Activities:
1. Implementing business requirements / projects in Siebel CRM (Screen, View, Applet, BC, BO, Workflows, Tasks, WF Policy, eScript, EIM, Soap WS, JMS, OpenUI, JavaScript)
2. Implementing processes for Siebel CRM initial load or database updates, through EIM using ODI
3. Siebel Web Service integration and Siebel JMS, SOAP Web Services.

Projects:
1) Digital Payment
- Creating an inbound/outbound CRM web-service, fully customizable;

2) UX Improvements for Products
- Developing a CRM framework for error management, on products (Siebel Order Management);
- Developing a CRM framework to translate the error to user (async integration process);

3) AML (Anti Money Laundry)
- Developing CRM – Norkom integration workflows (Soap Web Service);
- Developing Service Request algorithm for High Risk clients;
- Modify the existing task for client enrolment/update;
- Implementing Reverse Contamination process;
- Developing small requests (new fields, initial loads etc);

4) Athena
- ODI (Oracle Data Integrator) development for data migration (EIM process);

5) CRS
- Implementing a recurrent process that scans all clients and calls a WS for classification;
- Implementing a CRS process that closes all open SRs and creates new activities;

6) Cards Synchronization Process
- Correct the existing flow and modify the logic;
- Correct the portfolio for all the affected clients;

7) GDPR
- Developing a process for opening new SR (for data hiding);
- Developing initial load for forgotten clients;

8) Automatic Marketing Data Load into Siebel CRM
- Developing a data quality process to validate Data from SAS;
- Developing multithreading process in ODI to load Marketing Campaigns from SAS to Siebel CRM through EIM;

9) Short Flows
- Developing **a new EIM table for a custom table (standalone table);**
- Extending the Open UI interface (JavaScript), adding validation and confirmations;
- Developing inbound/outbound web services;
- Adding new functionalities (workflows, task, eScript, BC, BO, applets, views etc).

05/08/2013-01/11/2016   ## Software Developer

Raiffeisen Bank Romania,

Address: No.246C, Floreasca Sky Tower, District 1, Bucharest, Postal Code 014476

Website: www.raiffeisen.ro

Main Activities:
- Developing processes for correcting data from current systems (Data Warehouse, CRM etc.);
- Implementing processes for data preparation (data quality, integrity, standardization, etc.) and migrate it into systems (initial load, data integration in current systems);
- Developing algorithms for systems synchronization (CRM, ICBS, Fee Engine etc.);
- Implementing data load streams in Data Warehouse;
- Developing reports for monitoring / business areas.

Projects:
1) Client Data Migration in CRM (Raiffeisen Asset Management, Raiffeisen Capital Investment, ICBS – only missing clients)
- Developing a data quality process for cleaning / validating / standardising clients data (ex: validate social security number, VAT number, telephone, email, eliminate duplicate data);
- Developing an algorithm for cleaning client addresses;
- Developing Unix Shell Scripts for running DQ processes on server;
- Developing PL / SQL procedures to aggregate information for migration;
- ODI development for data migration (clients-through EIM) – ICBS missing clients.

2) Non-Cash Fees Engine Migration
- Developing processes and modelling data for the new structure;
- Implementing DQ processes for eliminating the errors;;
- Developing a process to load data in new Fees Engine;
- Developing Unix Shell Scripts for running DQ processes on server;
- ODI development for data migration in CRM.

3) Current Account Migration
3a) Additional Debit Card Customers
- Developing an algorithm for cleaning and identifying duplicates on debit card users (based on the name field and a free text field that could contain more information- social security number, VAT number, registration number etc. - I built some business key , for instance Name Approx.+ VAT number Approx.);
- Developing processes to identify debit card users in CRM (based on logic keys);
- Developing Unix Shell Scripts for running DQ processes on server;
- Developing PL / SQL procedures to aggregate information for migration;
- ODI development for data migration in CRM.

3b) Currency Transactions Commissions
- Implementing an algorithm to identify currency commissions (Excel received files);
- Identifying regular commissions, non-standard commissions;
- Developing Unix Shell Scripts for running DQ processes on server;
- Developing PL / SQL procedures to aggregate information for migration;
- ODI development for data migration in CRM

4) Synchronizations

4a) Client Synchronisation

- Bringing data to a common denominator;
- Developing an algorithm for customer identification (duplicate customers from systems, missing customers from the source system, missing customers from destination system) based on priority keys (Ex: Social Security Number + NAME, Social Security Number Approx. + NAME etc.) ;
- Developing Unix Shell Scripts for running DQ processes on server;
- Migrating missing clients into CRM and preparing lists for other systems.

4b) CRM vs. Non-Cash Commissions Engine synchronisation

- Identifying clients with other packages of commissions;
- Aligning the information from the two systems.

5) CRM data replication flow in the DW (Data Warehouse)

- Developing ODI flows for CRM data replication;
- Developing PL / SQL procedures for uploading data to DW.

6) Fatca & CRS

- Creating a DQ process to identify and clean the clients with wrong Fatca and CRS status;
- Preparing data for Fatca/CRS bulk engine;
- ODI development for loading the result s in CRM;
- DQ process to correct Group Data Warehouse ;

7) ANAF Reporting

- Creating a DQ process for data cleansing and validation;
- Developing Unix Shell Scripts for running DQ processes on server.

8) Other Projects

- ODI development for initial load / new fields/ new tables in CRM;
- ODI development for daily reporting (based on CRM data) to various business areas;
- ODI development for retrieving DWH data and uploading it in various systems (CRM, Mass Bundles, Internet, Control Monitoring etc.);
- Developing algorithms for data cleaning / validation / standardisation (Packages, Emails, Promotions, etc.) and daily reports.

Between **June 2015 and September 2016**, I temporarily took over the tasks (in parallel) of loading data from different sources in Data Warehouse by resolving incidents and developing new procedures (ODI, Data Stage, PL/SQL).

Business or sector : IT Software,

13/05/2013-13/06/2013	**Internal Trainee**

Microsoft Romania,

Address: No.3-5, Presei Libere Square, District 1, Bucharest , Postal Code 013702

Website: www.microsoft.ro

The main activity was the development of an individual application capable of running on Windows Phone 8. I have developed "Snake Game" for Windows 8 / Windows Phone 8 using C #, XNA, MonoGame (individual project)

Business or sector : IT Software

EDUCATION AND TRAINING

2015-PRESENT

Doctor in Computer Science - Ph.D.
The Bucharest University of Economic Studies, Faculty of Cybernetics, Statistics and Economic Informatics

Address: No.15-17, Dorobanți Street ,Virgil Madgearu Building, Bucharest , Postal Code 010552

Website: www.ase.ro / www.csie.ase.ro

Domain: Computer Science, Economic Informatics
Ph.D. thesis : "Bio inspired computation in image processing"
Skills acquired, principal subjects covered:
- Bio inspired computation;
- Image processing;

2013-2015

Master Studies – MSc.

The Bucharest University of Economic Studies, Faculty of Cybernetics, Statistics and Economic Informatics

Address: No.15-17, Dorobanți Street ,Virgil Madgearu Building, Bucharest , Postal Code 010552

Website: www.ase.ro / www.csie.ase.ro
Domain: Computer Science, Economic Informatics
Bachelor Thesis: "Evolutionary strategies. Applications"
Skills acquired, principal subjects covered:
- Programming Languages: Java, C#, C++ (Glut), Matlab, Assembler;
- DB: Database administration, Object-Oriented PL/SQL, SQL, PL/SQL;
- Software Development Technologies and Platforms: JSP/MVC : Struts, Android (Java SDK);;;
- Design and Orchestration: Rational Unified Process –UML; BPM;
- OS: Linux (JAVA).

During the "Mobile Devices Programming" course, I developed as an individual project an Android application called "Driving School Knowledge Testing" which aims to help assimilate knowledge and test them for obtaining a driving license.

2010-2013

Bachelor studies – BSc.

The Bucharest University of Economic Studies, Faculty of Cybernetics, Statistics and Economic Informatics

Address: No.15-17,Dorobanți Street, Virgil Madgearu Building, Bucharest , Postal Code 010552

Website: www.ase.ro / www.csie.ase.ro
Domain: Computer Science, Economic Informatics
Bachelor Thesis: "Genetic Algorithms. Applications"
Skills acquired, principal subjects covered:
- Cybernetics , Statistics, Economics;
- Programming Languages: Java, C#, C, C++;
- Web Technologies : HTML5, JavaScript, JQuerry;
- DB: Database administration, Object-Oriented PL/SQL, SQL, PL/SQL.

PERSONAL SKILLS

Mother tongue(s) **Romanian**

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1/2	C1/2	B1/2	B1/2	B1/2
French	A1/2	A1/2	A1/2	A1/2	A1/2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

| Communication skills | Good communication skills gained through my experience in DQ team (I have interacted with many business areas) and as a Solution Architect. |

| Organisational / managerial skills | Team spirit, Initiative spirit, Organisational and analytical capacity ,Focus on achieving optimal results (skills proven by coordinating a team of students for the high school magazine, for which I have been the editor-in-chief), Responsibility and professional dedication; |

| Job-related skills | Team Working, Easy use of computational systems, Analytical thinking, Skills in modelling economic processes in computer systems, Communication skills and group cooperation, Enhanced integration and adaptability to new groups, Creativity, Efficiency, Devoted ; |

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient User	**Proficient User**	**Proficient User**	**Proficient User**	**Proficient User**

Levels: Basic user - Independent user - Proficient user

| ITC & Computer Skills | **CRM Products:** Oracle Siebel CRM, Salesforce;
Cloud: Google Cloud, Microsoft Azure;
Programming Languages: Java, C/C++, C#, Matlab;
Non-Procedural language: SQL;
Procedural languages: PL/SQL, Oriented-Object PL/SQL;
Data Loading : Oracle Data Integrator (ODI), IBM Data Stage ;
Data Quality: Ataccama Data Quality Center;
OS: Windows (**VBasic**), UNIX (**Shell Script**); |

| Other skills | Business Analysis, Finance, Banking |

| Driving licence | B Category |

ADDITIONAL INFORMATION

Publications

1. Catalina Cocianu, Alexandru Stan, „**Neural Architectures for Correlated Noise Removal in Image Processing**", Mathematical Problems in Engineering, Vol. 2016,Year 20 16, Pg. 14, Hindawi Publisher
http://www.hindawi.com/journals/mpe/2016/6153749/

2. Catalina Cocianu, Alexandru Stan, „**A novel Noise Removal Method Using Neural Networks**", Informatica Economica Journal, Vol. 20, No. 3, Year 2016, Pg 66, ASE Publisher
http://revistaie.ase.ro/content/79/07%20-%20Cocianu,%20Stan.pdf

3. Catalina Cocianu, Alexandru Stan, „**New Evolutionary-Based Techniques for Image Registration**", Applied Sciences, Vol. 9, No. 1, Year 2019, Pg. 176, MDPI
https://www.mdpi.com/2076-3417/9/1/176

4. Catalina Cocianu, Alexandru Stan, Mihai Avramescu, „**Firefly-Based Approaches of Image Recognition**". Symmetry 2020, Vol. 12, Year 2020, Pg. 881
https://www.mdpi.com/2073-8994/12/6/881

5. Catalina Cocianu, Cristian Razvan Uscatu, Alexandru Stan, „Evolutionary Image Registration: A Review", Sensors 23(2), Year 2023, Pg. 967
https://www.mdpi.com/1424-8220/23/2/967

Conferences

1. Catalina Cocianu, Alexandru Stan, „**Towards an Evolution Strategy Approach in Binary Image Registration for Solving Digital Signature Recognition Tasks**", PROCEEDINGS of 20th International Conference on Enterprise Information Systems, Funchal Portugal, 21-23 march 2018, ISBN: 978-989-758-298-1

2. Catalina Cocianu, Alexandru Stan, „ **New Attempts in Binary Image Registration**", Proceedings of 5th-2018 International Conference on Control, Decision and Information Technologies , **IEEE**, Thessaloniki Greece , 10-13 april 2018
https://ieeexplore.ieee.org/document/8394806

3. Cocianu Catalina, Stan Alexandru Daniel, „**EVOLUTIONARY-BASED APPROACH FOR SOLVING DIGITAL SIGNATURE RECOGNITION TASK**", The 14th International Scientific Conference eLearning and Software for Education Bucharest, Bucharest Romania, 19-20 april 2018, ISSN: 2360-2198
https://web.b.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=2066026X&AN=129458668&h=6PTTNIL2AIXMl0iPVtZ6XHNTOh7epUnGRIIUsY%2b16fQ%2fBgk3%2b3steFOGs2ZAqSEONo6s%2fvo%2bo2fYEexAr8Fgtg%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d2066026X%26AN%3d129458668

4. Alexandru Stan, „**IMPROVED EVOLUTIONARY-BASED MECHANISM FOR IMAGE REGISTRATION PURPOSES**", Proceedings of The 17th International Conference on Informatics in Economy,Iasi Romania, 17-18 may 2018, ISSN: 2247-1480

5. Alexandru Stan, Cristian Uscatu, „ **SELF-ADAPTIVE APSO ALGORITHM FOR SOLVING DIGITAL SIGNATURE RECOGNITION TASK**", Proceedings of The 18th International Conference on Informatics in Economy,Bucharest Romania, 30-31 may 2019, ISSN: 2247-1480
https://www.researchgate.net/publication/335379615_SELF-ADAPTIVE_APSO_ALGORITHM_FOR_SOLVING_DIGITAL_SIGNATURE_RECOGNITION_TASK

6. Catalina Cocianu, Alexandru Stan, Mihai Avramescu, „**New Attempts in Solving Image Recognition Tasks**", Information and Software Technologies, Vilnius, Lithuania, 10-12 october 2019, Springer.
https://link.springer.com/chapter/10.1007/978-3-030-30275-7_36

Diploma, Certifications and Courses

1. Award of course completion **Oracle Academy Database Design and Programming with SQL;**
2. Award of course completion **Oracle Academy Database Programming with PL/SQL ;**

3. **SAS Enterprise Guide** Competency Diploma;

4. Award of course completion **Oracle Data Integrator 12c**: Integration and Administration.

5. Oracle SQL Tuning for Developers

6. Siebel for Developers – **Seers Company**

7. Siebel Order Management – **Seers Company**

Awards

Mention at the Student Scientific Session, obtained in 2011, with the work "Data Compression / Decompression" (C++);

Data: 13.06.2024