



George Datcu

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WORK EXPERIENCE

10/2023 – CURRENT Bucharest, Romania

SENIOR QA AUTOMATION ENGINEER LUXOFT

Financial Project at Deutsche Bank

Contributed to the development of the first FX multi-currency payment application in Salesforce Clouds for a European bank, focusing on automating and refining the testing process to ensure strong functionality and flawless performance.

Key Responsibilities:

Test Automation:

- Designed and implemented automated test suites using Java, Selenium, and Cucumber, incorporating the Serenity framework and REST-Assured library for efficient testing of REST APIs.
- Built and maintained test automation frameworks to streamline regression and functional testing processes.
- Created and executed automated tests based on business scenarios, ensuring high coverage and adherence to requirements.
- Developed and maintained regression test suites for new system releases.
- Automated tests using tools like TestNG, JUnit, and Jenkins for CI/CD pipelines.
- Used IntelliJ as the development environment and Git/GitHub for version control.

Functional and Manual Testing:

- Conducted functional and technical testing to ensure new functionalities, reports, and business processes conformed to technical and functional specifications.
- Designed, executed, and documented comprehensive test plans and test cases using HP ALM.
- Performed manual testing of new features and updated test suites to reflect changing requirements.

Performance Testing:

- Developed, executed, and maintained performance tests using JMeter.
- Identified and resolved performance bottlenecks, ensuring optimal application scalability and reliability.

Agile Development:

- Employed Behavior-Driven Development (BDD) practices with Cucumber to align testing with business goals.
- Actively participated in Scrum processes, providing detailed updates on bug status and automation coverage via Jira.

Salesforce-Specific Testing:

- Performed security and functional testing for Salesforce REST and SOAP APIs, ensuring compliance and performance.
- Tested Salesforce Lightning Web Components (LWC) and Apex classes, leveraging Lightning Testing Service for UI automation.

Documentation and Reporting:

- Authored comprehensive documentation for automated processes, including test plans, procedures, and cases.
- Tracked and documented identified bugs in Jira and other tracking systems, providing detailed reports to stakeholders.

Technical Skills Utilized:

- **Programming & Automation:** Java, Kotlin, Selenium, TestNG, JUnit, Cucumber, REST-Assured, Apex.
- **Tools & Platforms:** Git, GitHub, GitHub Actions, Jenkins, TeamCity, IntelliJ, VMware, Linux, Swagger, HP ALM.
- **Cloud Computing:** Google Cloud Platform (GCP), Amazon Web Services (AWS).
- **Testing Expertise:** API Testing, Salesforce REST/SOAP APIs, Salesforce Security Testing, UI Automation, Performance Testing, ISTQB certification practices.

04/2019 – 10/2023 Bucharest, Romania

QA AUTOMATION ENGINEER ABS LAUNDRY BUSINESS SOLUTIONS

Contributed to designing and executing software QA test plans, performing tests across diverse environments and applications, and collaborating with cross-functional teams to deliver high-quality software solutions.

Key Responsibilities:

Test Planning and Execution:

- Designed and executed complex QA test plans for desktop, web, mobile, and touchscreen applications.
- Conducted stress testing, regression testing, system testing, and interoperability testing to ensure robustness and compatibility.
- Developed and maintained testing frameworks for both manual and automated test processes.
- Automated test cases for mobile applications using Gherkin with tools like Cucumber, Behave, and Appium, reducing testing time by 35%.

Customer Interaction and Deployment:

- Engaged directly with customers to understand challenges, respond accurately, and provide end-to-end support throughout the life cycle of a change.
- Validated and deployed software releases for customers worldwide, performing on-site and remote deployments.

Mobile Application Testing:

- Applied Agile testing principles as part of a mobile core squad to support development cycles.
- Collaborated closely with development teams to integrate and test mobile app features using tools like Android Studio and Espresso.
- Used Charles Proxy to analyze network traffic and resolve performance bottlenecks in mobile applications.

Agile and CI/CD Practices:

- Worked within Agile frameworks such as Scrum and Kanban, prioritizing testing tasks to adapt to evolving requirements.
- Implemented CI/CD pipelines with Jenkins for mobile applications, enabling automated testing and seamless integration before releases.
- Managed test cases and defect tracking using Jira X-Ray, improving traceability and overall QA process efficiency.

Tools and Technologies:

- **Test Automation:** Cypress, Selenium, Appium, Cucumber, Behave, Espresso, QF-Test.
- **Programming & Scripting:** Java, Python, JavaScript, Kotlin, Gherkin.
- **Mobile & Desktop Tools:** Android Studio, Charles Proxy.
- **Database Management:** SQL, PL/SQL.
- **Collaboration & CI/CD:** Jira, X-Ray, Jenkins, Git, Bitbucket.

06/2022 – 10/2023 Bucharest, Romania

PL/SQL DEVELOPER ABS LAUNDRY BUSINESS SOLUTIONS

Contributed to the development and optimization of database functionality, collaborating with cross-functional teams to deliver high-performance, maintainable solutions.

Key Responsibilities:**PL/SQL Development:**

- Developed PL/SQL code for stored procedures, functions, packages, and triggers to meet application functionality and performance requirements.
- Enhanced the design of applications to improve maintainability, scalability, and software reuse.
- Proposed and implemented new approaches to optimize existing code and functionality.

Debugging and Issue Resolution:

- Worked closely with the development team to resolve reported issues, including product functionality, upgrades, migrations, and debugging.
- Diagnosed and resolved application bugs and RDBMS-related issues to ensure smooth functionality.
- Addressed and optimized performance issues, improving overall system efficiency.

Support and Maintenance:

- Provided support for both existing applications and new software deliveries.
- Assisted in resolving deployment-related issues and ensured proper configuration of deployment pipelines.

Agile Collaboration:

- Collaborated within Agile frameworks such as Scrum and Kanban, leveraging tools like Jira and Confluence to track and manage development tasks.

CI/CD and Tooling:

- Configured and maintained CI/CD pipelines using Jenkins for build, release, and deployment management.
- Utilized static code analysis tools to ensure code quality and compliance.
- Leveraged versioning tools like Git to manage source code and deployments effectively.

Tools and Technologies:

- **Database Management:** SQL (Oracle), PL/SQL, SQL Tuning, Oracle Enterprise Manager.
- **Development & Maintenance:** Jenkins (pipeline), static code analysis tools, Red Gate.
- **Collaboration & Agile Tools:** Jira, Confluence, Atlassian suite.
- **Other Skills:** Database design principles, deployment pipelines, Agile methodologies (Scrum, Kanban), Git version control.

12/2017 – 04/2019 Bucharest, Romania

ACCOUNT MANAGER BITTNET SYSTEMS

- to correctly identify the needs of legal persons through a consultative attitude and position products from our portfolio based on need analysis;
- to attain sales objectives;
- to have excellent knowledge of the company's products and services and to be capable of supporting the value of said services and products as well as the price policy and company differentiators through the sales process;
- to make proper use of the tools required to register clients and opportunities;
- to analyze the current database of clients and build a client portfolio to keep in contact with (active portfolio);
- to interact constantly through phone, email, or at the client's premises or on Bittnet's with current clients as well as potential clients;
- to follow the evolution of training and IT solution projects;
- to follow the financial fluxes of the clients, monthly/quarterly/annual revenues and payment of invoices and when it is needed to make a follow-up;
- to uphold Service Instructions and all procedures specific to the job;
- to report an analysis of results versus objectives on a weekly basis to your direct manager and a plan of action for the following period;
- to make propositions of tools and good practices that can help with job-specific productivity increase and efficiency.

08/2017 – 12/2017 Bucharest, Romania

IT SPECIALIST ADISAN SYSTEMS

- network and data security management;
- installation and configuration of LAN / WAN / Wireless network equipment;
- installation and configuration of printing equipment;
- assurance, implementation, configuration and maintenance of equipment / systems;
- interacting with customers and staff from other incidents.

12/2016 – 08/2017 Bucharest, Romania

KEY ACCOUNT MANAGER SYNOTECH GLOBAL SERVICES

- permanent updating of IT-specific knowledge;
- integration of existing technologies with new technologies;
- preparing and organizing work plans within the project and providing resources necessary to achieve the objectives of the project;
- coordinating project activities through direct supervision of technical teams, as well as other collaborators involved;
- ensuring communication with project partners and complying with contractual obligations.

08/2015 – 11/2016 Bucharest, Romania

IT SUPPORT SPECIALIST SYNOTECH GLOBAL SERVICES

- managing multiple projects simultaneously while maintaining high customer service standards;
- communicating complex concepts to a general audience;
- troubleshooting common IT problems;
- providing the documentation required for various IT equipment;
- taking over, recording and resolving reported incidents.

06/2014 – 07/2014 Bucharest, Romania

WORKING STUDENT SCHURTER ELECTRONIC COMPONENTS

- providing, maintaining and supervising IT systems and equipment.

06/2015 – 09/2015 Bucharest, Romania

WORKING STUDENT SELETRON SOFTWARE AND AUTOMATION

- troubleshooting of electronic equipment;
- IT solutions design.

● EDUCATION AND TRAINING

10/2016 – 07/2018 Bucharest, Romania

MASTER OF SCIENCE IN MICROELECTRONICS AND NANOELECTRONICS ENGINEERING The Faculty of Electronics, Telecommunications and Information Technology, UPB

Research Laboratories:

- LSMI: Microelectronic Structures Laboratory studies
- Electrical Modeling and Characterization of Integrated Structures
- Speech and Dialogue Research Laboratory studies
- Digital Circuits and Architectures Research Laboratory studies
- Digital Signal Processing Laboratory studies: experience and results in audio and acoustic signal processing and speech technology
- Applied Acoustics Laboratory studies: experience and results in applied acoustics, noise cancellation and microphone arrays
- Laboratory for Computer Architecture and Software: experience and results in the design and implementation of command and control systems, software development and computer architectures.

Website <https://upb.ro/en/faculties/the-faculty-of-electronics-telecommunications-and-information-technology/> |

Level in EQF EQF level 8

10/2012 – 07/2016 Bucharest, Romania

BACHELOR OF SCIENCE IN ELECTRONICS AND TELECOMMUNICATION ENGINEERING The Faculty of Electronics, Telecommunications and Information Technology, UPB

Main subjects:

- Information Transmission Theory
- Digital Signal Processing
- Microprocessor Architectures
- Electrotechnics
- Computer Systems Engineering
- Images, Forms and Artificial Intelligence
- Image Processing
- Computational Intelligence
- Database
- Operating systems
- Computer networks
- Distributed Information Processing
- Parallel Computing Structures and Algorithms
- Computer programming
- OOP
- Internet programming technologies

Website <https://upb.ro/en/faculties/the-faculty-of-electronics-telecommunications-and-information-technology/> |

Level in EQF EQF level 7

Bucharest, Romania

GRADUATE OF PSYCHO-PEDAGOGICAL MODULE (LEVEL 1) The Faculty of Electronics, Telecommunications and Information Technology, UPB

Website <https://upb.ro/en/faculties/the-faculty-of-electronics-telecommunications-and-information-technology/> |

Level in EQF EQF level 3

03/2018 – 07/2018 Bucharest, Romania

IT SALES ACADEMY Bittnet Training

Theoretical part:

- introduction to Networks; Layers of OSI model; Enterprise networks;
- introduction to cybersecurity; Security principles and how to develop security policies;
- Data Center equipments presentation;
- sales workshop;
- cloud vs on-premises;
- IT courses presentation;
- Pro Customer Approach;

- Time Management Workshop; Working with sales tools; Role play customer phones.

Practical part:

- Customer phones and CRM;
- Customer phones and appointments;
- Meetings, follow-up, bidding;
- Daily Account Manager activities.

02/2018 – 02/2018 Bucharest, Romania

AMAZON WEB SERVICES – TECHNICAL ESSENTIALS Bittnet Training

- introduction to AWS, Navigate the AWS Management Console, Recognize AWS Global Infrastructure, Describe the security measures AWS provides;
- AWS Storage, Identify key AWS storage options, Describe Amazon EBS, Create an Amazon S3 bucket and manage associated objects;
- compute Services & Networking, Identify the different AWS compute and networking options,
- describe an Amazon Virtual Private Cloud (VPC), Create an Amazon EC2 instance, Use Amazon EBS with Amazon EC2; managed Services & Database, Describe Amazon DynamoDB, Understand key aspects of Amazon RDS, Launch an Amazon RDS instance;
- deployment and Management, Identify what is CloudFormation, Describe Amazon CloudWatch metrics and alarms, Describe Amazon Identity and Access Management (IAM).

Level in EQF EQF level 3

09/2018 – 12/2018 Bucharest, Romania

IT CLOUD ACADEMY Credis Academy

- managing Windows and Linux operating systems
- knowledge of fundamental networking concepts
- understanding Cloud Typologies and Technologies
- managing cloud resources using the graphical console
- set up cloud resource in command line: PowerShell and CLI
- deploying computing, storage and networking resources
- configuring your cloud databases
- monitoring cloud resources
- implement tolerance for defects and load balancing
- automate the implementation of cloud resources through templates
- planning cloud resource deployment

Level in EQF EQF level 4

2016 – 2018 Bucharest, Romania

CISCO CERTIFIED NETWORK ASSOCIATE ROUTING & SWITCHING 1-4 Credis Academy

- understand the significant impact that networks have on their lives.
- build and sustain a home network or a small business with wireless equipment.
- create a sense of deep respect for students to encourage them to learn more about how things work around them and to pursue a career in networking.
- understand general theory and gain practical experience.
- basic concepts of networking.

Level in EQF EQF level 5

LANGUAGE SKILLS

Mother tongue(s): **ROMANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	B2	B2	C1
FRENCH	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **DIGITAL SKILLS**

JAVA Programming | Social Media | Selenium Java and TestNG | Git, Bitbucket, Gradle, CI, Jenkins, JIRA, Docker | Atlassian (Bitbucket, Confluence, Jira) | Oracle SQL developer | Object-Oriented Programming | Postman | RESTful api | SQL | Agile (Scrum) | JSON

● **DRIVING LICENCE**

Driving Licence: AM

Driving Licence: B1

Driving Licence: B

● **ORGANISATIONAL SKILLS**

Organisational skills

- good organisational skills gained as an account manager
- leadership
- project management
- time management

● **COMMUNICATION AND INTERPERSONAL SKILLS**

Communication and interpersonal skills

- the ability to work in a team
- good communication skills gained through my experience as an account manager
- the ability to resolve conflicts

● **JOB-RELATED SKILLS**

Job-related skills

- the ability to work with deadlines
- the ability to multitask
- the ability to communicate in a diplomatic way