



NICOLAS LEYSENS

Software Test Engineer, Telemetry and Automation

Founder, Ubcity.be SDLC Management

I am a software engineer enjoying to work to the delivery of ICT products with high impact value. My journey in the software development industry and SDLC has been shaped by inspiring professionals from diverse backgrounds while delivering softwares systems used by over a million of daily users. I have already obtained multiple certifications in the field and I look forward processing new ones ! At work, I Collaborate with experts and PMs at key moments, I can design, execute, and oversee test cases, ensuring quality standards are met. Additionally, I coordinate and manage test activities, driving alignment within teams to achieve project goals. With rather strong communication and analytical skills, I report defects and contribute to their resolution or mitigation. My professional background has equipped me to adapt quickly to Agile/Scrum environments or work autonomously to deliver tangible results.

Skills

- Test coordination
- Test design
- Test execution
- Defect tracking
- Communication
- Problem solver
- Critical thinking
- Reporting
- PHP, SQL
- MQTT, AMQP
- Python, javascript, jQuery
- Linux

Professional Experience

Test Engineer at Capgemini, Tech Consultancy (2022 - present, hybrid/remote)

As a consultant, I assist the Brussels Public Transport STIB/MIVB with their software quality efforts. Working on the autonomous train system (ATS) with Hitachi, I acquired a deep knowledge of the transport and energy domains. Testing the Scada Smartgrid that controls traction power, auto-balancing load with the electrical busses fleet power needs. Testing devices mapping, status gathering, MQTT, AMQP, Grafana integration.

Data Officer at Ista Belgium, Energy (2020 - 2021, hybrid)

I joined the Data Department to oversee our network and data flow in production to provide recommendations at different levels. After working in various positions within the company, I was able to provide a rapid response to a wide variety of issues by adapting data in the SAP modules, monitoring over 1 million IoT devices in Belgium.

Planning Officer at Ista Belgium, Energy (2017 - 2020, hybrid)

My responsibilities then included allocating work orders to technical team and coordination of the stakeholders. Drawing from my experience in the installation process, I could make accurate forecasts and consequently allocate the necessary resources to accomplish specific tasks. In addition to my main responsibilities, I documented several feature ideas to improve workflow, which were implemented by IT.

Telecom Technician at Ista Belgium, Energy (2016 - 2017, on site)

As a field technician, my main tasks were to install and maintain a variety of devices controlling and monitoring energy and water consumption in buildings, often sharing a common heating system. After installation, I conducted configuration and network connection tests to mark my job as completed.

Education

ICT, Web Developer at EFP, Professional School of Brussels (2014 - 2016)

I decided to move my career towards IT and began studying at a web development school in Brussels. I learned programming in PHP and SQL, and coupled with HTML and CSS, I built dynamic web applications. In parallel, I went through a 2 year part-time internship at a Belgian startup operating in web marketing.

Biological Sciences at ULB, University of Brussels (2011 - 2013) (failed)

I have a deep interest in sciences that led me to pursue an academic degree in the field. While studying, I gained valuable knowledge about science and laboratory techniques. Sadly enough, I did not succeed in achieving my bachelor's degree. Nevertheless, my thirst for knowledge remains undiminished.

Certifications

Professional Scrum Master I, Scrum.org	2024
Requirement Engineering, UNSW Sydney	2024
AI Prompting, Pluralsight	2024
Agile Tester, ISTQB	2023
Business Process Management, Great Learning	2023
Certified Tester Foundation, ISTQB	2022
Web Marketing Fundamentals, Google	2017
Web Development, EFP	2016
Management Fundamentals, EFP	2016

Hello, Nicolas here! Thank you for reviewing my CV. I would describe myself as a dedicated professional with a "T-shaped" skill set and pragmatic approach. I am passionate about building and sharing knowledge.

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Phone
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Address
Chemin des oiseleurs, 104
1000 Bruxelles
Belgium

Birth Country
Belgium

Driving Licence
Car

-  French, C2 level (native)
-  English, C1 level (fluent)
-  Dutch, B2 level (proficient)
-  Spanish, B1 level (proficient)

Personal Interests

Technology
Boston Dynamics, SpaceX, Gen AI, Sustainability, Computer Vision, IoT

Sports
Hockey, Climbing, Trekking, Football, Motor, Tennis

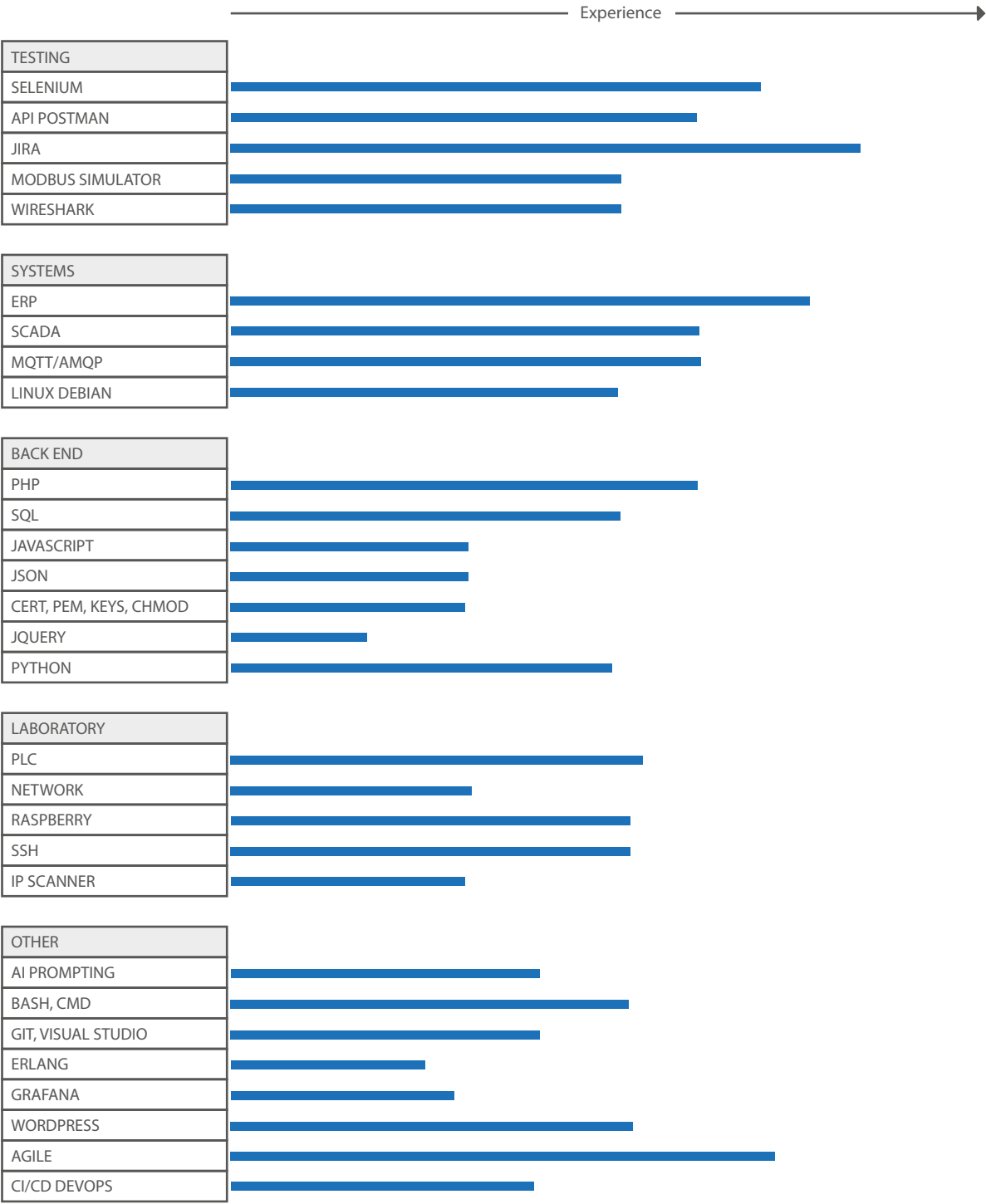
Gaming
CS, Dota, Starcraft II, Elder Scroll, Space Engineer, Kerbal

Movies/shows
Barry Lyndon, Space Balls, GoT, The expanse

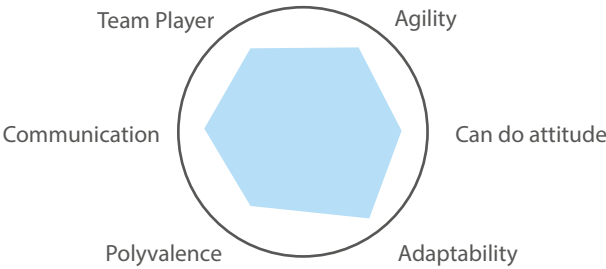
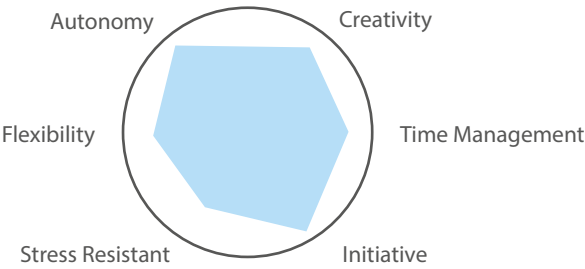
Books
Isaac Asimov, Van Vogt, Stephen King, Naomi Klein, Dino Buzatti

Creativity
Music, Drawing, Painting, Pixel Art, Arduino, Modelism

Work Env/Tools/Protocols



Soft Skills



Project Portfolio

Automated Train Systems, SCADA integration @ MIVB, Public Transportation (2024 - Present)

On behalf of Capgemini, I became part of the transversal test team at STIB/MIVB to contribute to the modernization project of the underground trains in Brussels as a software tester. Specifically, my role involves focusing on the SCADA system within STIB. My objective is to ensure that the system aligns with the specifications provided by external service providers. Engaging in projects of such magnitude within industrial infrastructures while acquiring proficiency in new programming languages and protocols greatly fuels my motivation. Additionally, I conducted a proof of concept for the test environment tooling, developed a new test suite, and documented processes to facilitate the onboarding of new team members.

SmartCharging @ MIVB, Public Transportation (2024 - Present)

I took a test lead role for this project. I created a test plan and a test suite that has been shared with Siemens and CarmediaLab. After cross-checking many technical documents, I have emitted a testability review report and pointed out an important compatibility issue; the 100's charging points by Siemens were not supporting an OCPP profile the «CPmaxProfile», on the other hand, the Charging Management System platform service provider (Carmedialab) was relying heavily on this profile to make the SmartCharging function working. Aside this I coordinate the different team during test sessions with real vehicle and real charging points

OBS @ MIVB, Public Transportation (2024 - Present)

I have supported the dev team for the SAE (service d'aide à l'exploitation), it was my entry mission at STIB/MIVB and I really enjoyed it. For each releases, I conducted tests in the lab. Basically, using SSH I connected myself to a testbench (a simulated train) then after a couple manual operations I was making the train ride while monitoring MQTT and also test other packages (e.g distress signal, FM com test (Tetra), Call Manager (Cisco)). Mostly regression testing but I have supported and tested some new features (e.g TiGR ITxPT)

ITSME Integration, ID authentication @ Belfius Bank, Fintech (2023)

The objective of this project was to ease the onboarding process by integrating an external ID authentication (Itsme) into the Belfius Mobile App. This integration enables new users to access banking services more rapidly, eliminating the need for human intervention to verify signature for instance. I analyzed requirements and specifications to design tests covering the cases expected to occur in production. Despite the challenges of coordinating with ITSME for test users and the repetitive testing tasks, this project offered an opportunity to showcase again flexibility and collaboration with third-party service providers.

Optical Character Recognition, ID authentication @ Belfius Bank, Fintech (2023)

The OCR project aimed to improve user identification data updates by allowing users to scan their ID cards using the mobile app. Initially, this feature had a low success rate (50%) due to differences in ID card types and formats. Working in a small development team, I designed and conducted test cases. After several sprints, we released a new version that greatly improved the success rate of ID scanning to 85%!

ATM, ID authentication @ Belfius Bank, Fintech (2023)

I tested the ID authentication flows on the test ATMs at Belfius and also at an external laboratory for a Belfius service provider called Batopin. I collaborated with Diebold Nixdorf for issues on Belfius ATMs and with Auriga for the Batopin ATMs. It was enjoyable to visit this industrial zone and conduct tests. I discovered some major bugs and assisted in their resolution by clearly identifying the problem and retesting while communicating with Auriga developers.

Kube, sharing documents between banks @ Belfius Bank & Isabel Group (2022)

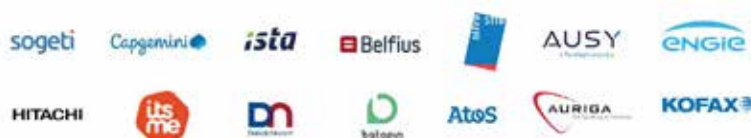
The Kube project was a significant collaboration among the four largest banks in Belgium (BNP, ING, KBC, Belfius) aimed at enhancing document sharing and improving the KYC process. My role involved testing the new ERP feature designed for a specialized team of bank employees. After analyzing requirements and specifications, I designed and executed test cases. Challenges included creating my first test suite and reviewing it with the analysts.

Open Business Account (OBA) @ Belfius Bank, Fintech (2022)

The OBA project aimed to automate the process of opening business accounts, reducing the need for human intervention to 0 in most cases. As part of an Agile team, I tested all account opening flows across mobile apps and web browsers. This involved considering various preconditions such as NACE codes, legal activities, risk evaluations, and compliance requirements (including KYC, AML, CRS, and FATCA), as well as sanctions and embargoes. This project marked my first professional testing assignment as a consultant, offering valuable insights into testing practices and the banking domain in Europe.

SAP ERP Migration @ Ista, Energy (2019 - 2020)

Over a period of 2 years, Ista underwent a migration to SAP. During this time, I actively participated in numerous meetings with development teams, providing my insights on requirements for two modules: one overseeing the data flow and another managing fieldwork orders. I conducted business tests prior to release and provided feedback through Jira. This project was highly engaging and prompted me to consider returning to software development. Shortly after the project's release, I made the decision to «shift left».





has been successfully passed on 15/09/2023 by

Nicolas Christophe David Leyssens

- Contents:
- Agile Software Development
 - Fundamental Agile Testing Principles, Practises and Processes
 - Agile Testing Methods, Techniques and Tools

Authenticity check:



Certificate No. 23-CTFL-AT-232973-12

Stephan Goericke
CEO, International Software Quality Institute

Rik Kochuyt
Chair, Belgium and The Netherlands Testing Qualifications Board



Certified according to
DIN EN ISO 9001:2015
for
Execution of exams according to
DIN EN ISO 17024:2012

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Quality Institute

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COMMUNAUTÉ FRANÇAISE DE BELGIQUE



Formation permanente pour les Classes moyennes et les petites et moyennes entreprises



EFP - Bruxelles

DIPLOME

pour la profession de

CONCEPTEUR DE PRODUITS MULTIMEDIAS

La Commission d'examen,

Vu l'accord de coopération conclu le 20 février 1995 par la Commission communautaire française, la Communauté française et la Région wallonne relatif à la Formation permanente pour les Classes moyennes et les petites et moyennes entreprises et à la tutelle de l'Institut de Formation permanente pour les Classes moyennes et les petites et moyennes entreprises, tel que modifié par l'avenant du 4 juin 2003 ;

Vu le décret de l'Assemblée de la Commission communautaire française du 17 juillet 2003 relatif à la création d'un service à gestion séparée chargé de la gestion et de la promotion de la Formation permanente pour les Classes moyennes et les petites et moyennes entreprises à Bruxelles ;

Vu l'arrêté du Collège de la Commission communautaire française du 20 juillet 2000 relatif à l'évaluation continue et aux examens dans la Formation permanente pour les Classes moyennes et les petites et moyennes entreprises ;

Vu l'arrêté de l'Exécutif de la Communauté française du 28 décembre 1992 réglant l'organisation et le fonctionnement de la Commission d'homologation, tel qu'il a été modifié par les arrêtés du Gouvernement de la Communauté française des 5 mai 1999, 4 mai 2000 et 21 mars 2002 ;

Attendu que l'évaluation est organisée pour les candidats qui ont suivi régulièrement les cours de formation de chef d'entreprise ;

Attendu que l'évaluation porte sur les matières suivantes :

Atelier PAO et écotic – Atelier WEB – Atelier Médias – Gestion technique et green de projets multimédias. – Anglais – Création d'entreprise, droit et législation secteur ICT – Réseaux informatiques de communication – Gestion – Projet d'entreprise, esprit d'entreprendre – Comptabilité et gestion financière – Expression et conception graphique – Communication multimédia – Conception graphique et écologique – Conception Web – Conception et réalisation médias

Attendu que toutes les conditions de participation à l'évaluation de fin de formation de chef d'entreprise ont été remplies ;



Déclare que -LEYSSENS Nicolas-
Né à UCCLE, le 06 décembre 1987

A satisfait aux exigences propres à chacune des épreuves organisées lors de la session de 2016

En foi de quoi, il lui est délivré le présent diplôme avec la mention SATISFACTION

Donné à BRUXELLES, le 30 septembre 2016

Au nom de la Commission d'examen,

ANDRÉ S. GABRIEL NABET A.
  

Au nom du Gouvernement de la Communauté française,
Le Directeur du Centre,


V. GIROUL

Le porteur,

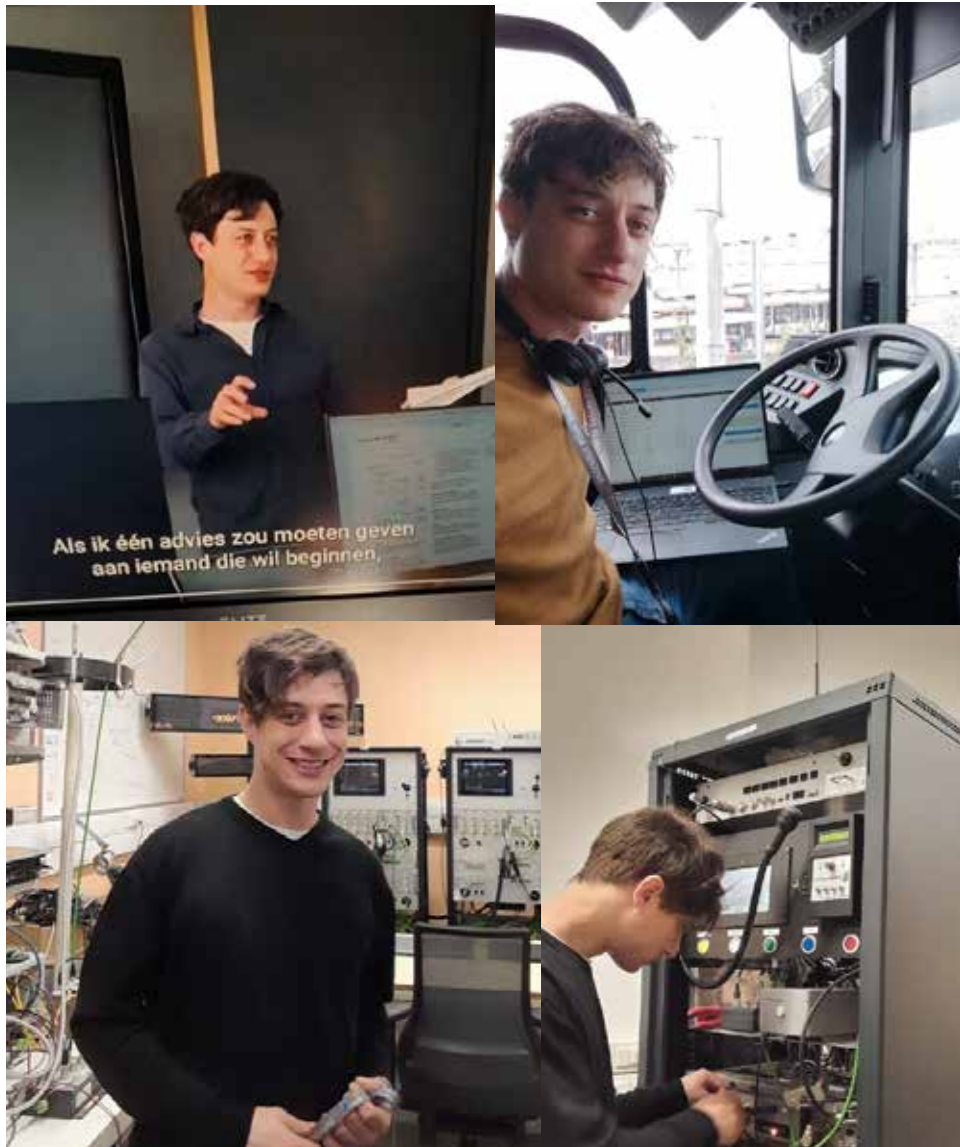


Au nom de la Commission communautaire française,


B. LAMBRECHTS
Administratrice générale

R10572

Thank you.



Contact me via

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Contact my team

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