

Functional Analyst

11 years of experience in the IT sector

ABOUT

As an independent IT business analyst, I have 11 years of experience in the information technology sector (banking, insurance, brokerage, etc.) and 8 years in an agile environment. Specializing in web and mobile development, I am involved in both requirements analysis and the detailed design of solutions, always ensuring that each step is clearly communicated to technical teams and stakeholders.

I prioritize clear communication, listening to users, and translating their expectations into simple and effective solutions. Always attentive to digital trends, I aim to contribute to projects that deliver real value to users.

CORE COMPETENCIES

Analysis & Requirements Definition

- Facilitating business workshops and gathering requirements
- Analysis of existing systems
- Translating business needs into functional requirements
- Risk assessment and impact analysis

Design & Specification

- Writing detailed functional specifications (FSD)
- Writing User Stories (US) for the development team
- Business process modeling (UML, BPMN)
- User journey design (wireframes and functional mockups)

Validation & Quality Assurance

- Writing and executing test scenarios (Cucumber-Gherkin)
- Supporting users during acceptance testing (UAT)
- Issue diagnosis and tracking corrections

TECHNICAL ENVIRONMENT

ANALYSIS & SPECS

Atlassian Suite Swagger OpenAPI Visual Studio Code

Antigravity GitHub

WIREFRAME & MODELING

Figma Balsamiq Axure Draw.io Visio Enterprise Architect

Suite Adobe

TESTING & ISSUE TRACKING

JIRA Xray TestFlight BrowserStack Postman SoapUI

ENVIRONMENTS & LANGUAGES

Android iOS React Angular JavaScript Java .NET

HTML / CSS XML / JSON MySQL

CMS

WordPress Shopify

ANALYTICS

Google Analytics Google Ads

ADDITIONAL INFORMATION

Project Methodologies

Scrum Kanban Cycle en V

Soft Skills

Adaptability Analytical Thinking & Initiative Teamwork

Continuous Learning

Languages

French — Native English — B2 Level

AI & Functional Analysis

Active Self-Training

AI as a lever to structure my deliverables, accelerate analysis, and free up time for decision-making. (Claude, Kimi, Copilot, etc.)

AUGMENTED WRITING

AI-assisted production of User Stories, specifications, and acceptance criteria, with business supervision.

FLOW MODELING

Transforming narrative descriptions into activity and sequence diagrams (UML/BPMN).

DOCUMENT ANALYSIS

Rapid extraction of actionable requirements from complex documentary sources.

PROFESSIONAL EXPERIENCE

Functional Analyst (Freelance Consultant)

July 2025 — Avril 2026

Velan Solutions Conseil Numérique Inc. (Desjardins Mandate), Montreal, QC — www.disnat.com

KEY CONTRIBUTIONS

- Analysis and documentation of business needs, writing of functional requirements and tailored recommendations, with creation of acceptance criteria in Gherkin language.
- Creation and updating of API service contracts with technical teams.
- Writing and execution of functional tests.
- Collaboration with the Product Owner on product design and gathering requirements from stakeholders (UX, UI, Marketing...)
- Supporting developers in understanding and implementing the solution.

TECHNICAL ENVIRONMENT

React Angular Kotlin Swift OpenAPI Java SQL

HIGHLIGHT Within the Online Brokerage and Brokerage Operations Direction, I joined a team of more than 20 people dedicated to optimizing the web and mobile journeys of the Disnat application. I led the analysis and complete design of the mutual fund transaction journey on iOS and Android mobile applications — from category search to transaction execution (buy/sell), including documentation of API interfaces with back-end systems.

Functional Analyst (Consultant)

March 2023 — July 2025

Levio Conseil Inc. (Hydro-Québec Mandate), Montreal, QC — www.hydroquebec.com

KEY CONTRIBUTIONS

- Analysis and documentation of existing functionalities.
- Documentation of activity and sequence flow diagrams (Payment transaction flows).
- Documentation and execution of functional test cases in Jira X-Ray (Gherkin/Cucumber).
- Working in collaboration with the solution architect and participating in recommendations.
- Identifying anomalies and ensuring follow-up of proposed corrections.

TECHNICAL ENVIRONMENT

.Net Control-M AWS SQL

HIGHLIGHT Within the Corporate Products and Customer Direction, I joined a team of 10 people as part of the technological migration of the fund management application (replacing BizTalk with AWS). I analyzed and documented existing incoming and outgoing payment transaction flows via Control-M, and produced the complete mapping in the form of activity and sequence diagrams (UML) to support the architecture transition. During the delivery phase, I coordinated functional and non-regression tests on the new AWS environment, ensuring flow compliance before production deployment.

Banque Nationale du Canada, Montréal, QC — www.bnc.ca

KEY CONTRIBUTIONS

- Functional analysis of business needs in terms of regulatory compliance and customer due diligence.
- Writing functional specifications and participating in the configuration of the Fen-X tool.
- Close collaboration with business teams (compliance, legal) and technical teams (developers, architects) to align regulatory requirements with platform capabilities.
- Contribution to the integration of KYC/AML workflows into the SaaS interface.
- Documentation of functional test cases in Jira X-Ray (Gherkin/Cucumber) and validation of test scenarios.

TECHNICAL ENVIRONMENT

SaaS Java APIs

HIGHLIGHT Within the IT Delivery Direction - Cybercrimes, I joined a team of 10 people responsible for modernizing the regulatory compliance solutions applied during customer onboarding (KYC, AML, CRS-FATCA). I contributed to the technological migration of compliance processes to Fen-X (Fenergo), a SaaS platform dedicated to customer lifecycle management (CLM).

Functional Analyst

March 2020 — February 2022

Desjardins Technology Group, Lévis, QC — www.desjardins.com

KEY CONTRIBUTIONS

- Analyze business needs and translate them into clear, actionable functional requirements
- Produce detailed functional specifications and recommend suitable solutions (including impact analysis)
- Closely collaborate with architects, technical teams, and stakeholders to align solutions
- Design and execute test strategies (functional, integration, regression) to ensure delivery quality
- Provide support to development teams and ensure anomaly tracking until resolution
- Communicate progress and ensure quality and documentation of deliverables

TECHNICAL ENVIRONMENT

Angular React Java APIs

HIGHLIGHT Within the Auto Solutions Direction (Desjardins General Insurance Group), I contributed to a major web overhaul program (graphic and application) called AutoQc, an automobile insurance subscription solution, within a multidisciplinary team of more than 200 collaborators.

Functional Analyst (Consultant)

March 2019 — January 2020

Extia (Orange Bank Mandate), France — www.orangebank.ci

KEY CONTRIBUTIONS

- Gather and frame requirements in collaboration with the Product Owner and stakeholders (UX, Marketing, Back-Office, Compliance, Customer Relations)
- Contribute to solution design with architecture teams (functional and technical)
- Write detailed functional specifications and acceptance criteria
- Support development teams in implementation and arbitrating technical constraints
- Design and execute functional tests to ensure delivery quality
- Train business users and facilitate solution adoption
- Identify risks, track progress, and ensure regular reporting to steering committees

TECHNICAL ENVIRONMENT

Angular Java React APIs

HIGHLIGHT Within the Information Systems Direction, I contributed to the transformation of the digital bank subscription journey (self-care and store), as part of a web overhaul, within an IT team of more than 10 collaborators.

Extia (BforBank Mandate), France — www.bforbank.com

KEY CONTRIBUTIONS

- Facilitating and coordinating agile ceremonies (planning, estimation, demo and retrospective during the sprint)
- Coordination with the Product Owner for prioritizing US and preparing the backlog for development teams
- Writing User Stories and functional specifications
- Development of test cases and test tracking for BforBank mobile applications
- Corrective maintenance tracking with ticket prioritization, tests and anomaly validation
- Production support and deployment on iOS and Android app stores
- Management of external providers (roadmap planning, implementing functional evolutions, anomaly management...)

TECHNICAL ENVIRONMENT

Swift Kotlin Java Spring Boot

HIGHLIGHT Within the Information Systems Direction, I contributed to the management of RUN (functional evolutions, corrective maintenance...) on the mobile banking scope of 4 apps: BforBank mobile banking, BforBank Stock Trading, Mes Banques, Bcheck.

Product Owner Mobile

September 2016 — September 2017

Malakoff Humanis (Ex Malakoff Mederic), France — www.malakoffhumanis.com

KEY CONTRIBUTIONS

- Write requirement expressions and validate functional specifications.
- Create prototyping and storyboarding of customer journeys.
- Manage acceptance testing and non-regression tests for mobile applications.
- Manage external providers and respect planning deadlines.
- Publication/Configuration on Apple and Android stores.

TECHNICAL ENVIRONMENT

Swift Kotlin Node.js Java

HIGHLIGHT Within the Digital Direction, I contributed to the management of the product backlog and the implementation of functional evolutions for the TOUTM mobile application for iOS and Android in an agile cycle.

Assistant Digital Project Manager & Web Marketer

October 2015 — September 2016

Liveli by Sodexo (Ex BBbook - Crèche Attitude), France — www.creche-attitude.fr

KEY CONTRIBUTIONS

- Participation in the migration project of BBbook services to the Creche-attitude.fr website (user journey analysis, future functionalities, wireframe design).
- Contribution to writing specifications and testing new functional features.
- Implementation, monitoring, and optimization of various traffic creation levers (SEA, SEO, retargeting).
- Conducting an SEO audit of the www.BBbook.fr website (optimization actions and recommendations).
- Reporting and audience analysis of digital campaigns.

TECHNICAL ENVIRONMENT

Google Analytics Google AdWords SEO SEA

HIGHLIGHT Au sein de la Direction Digital & Marketing, j'ai intégré la société BBbook - Crèche Attitude (l'expert parentalité) en tant qu'Assistant Digital Project Manager & Web Marketer. J'étais en charge de gérer les projets web, d'analyser et optimiser le trafic SEO/SEA de l'entreprise.

KEY CONTRIBUTIONS

- Participation in the evolution of online supports (website and intranet) through recommendations and benchmarking.
- Management of user tests for a web application (Media Library: CACIB image bank).
- Creation of a user guide for the Media Library application.
- Implementation of activity reporting on social media, internet, and intranet.
- Participation in the creation of a WordPress site and training contributors on the publishing tool.
- Assistance with graphic design and webdesign projects on various internal and external communication supports (web, print, DTP/Pre-DTP, animation).

TECHNICAL ENVIRONMENT

WordPress

Adobe Creative Suite

HTML / CSS

HIGHLIGHT

Within the Communication Direction, I joined Crédit Agricole Corporate and Investment Bank as an assistant digital project manager. My missions were to intervene on the various web and webdesign projects of the digital direction.

SIDE PROJECTS

Balyse In Progress

Development of an autonomous AI agent specialized in functional analysis, capable of understanding business needs in natural language and producing professional deliverables (user stories, BRD, use cases) compliant with BABOK v3 and Agile/Scrum standards.

Agentic AI

Prompt Engineering

Next.js

TypeScript

Tailwind CSS

Kimi API (Moonshot AI)

Supabase (PostgreSQL)

StitchCV

Open source interactive CV. Design created on Google Stitch and developed in HTML5, CSS3, JavaScript & Tailwind CSS. Modern web portfolio using Google Fonts and Material Symbols, hosted on GitHub.

Google Stitch

HTML5

CSS3

JavaScript

Tailwind CSS

Google Fonts

Material Symbols

GitHub

Actufit

Founder of an Android fitness media mobile application, "Actufit" is an application that centralizes various information on the theme of fitness (well-being, health, bodybuilding, crossfit...).

Framework Ionic

Android

EDUCATION

2021

Business Analyst Certification in I.S.

E-learning

Mastery of the role in IS, RECCET methodology, needs analysis to design aligned solutions.

2015 - 2017

M.Sc. "IT" & "E-BUSINESS"

EDC BUSINESS SCHOOL & EFREITECH, Villejuif

Digital transformation and project management in digital environments.

2014 - 2015

Bachelor Digital Project Manager

EFREITECH, Villejuif

End-to-end digital project management, team coordination in agile environment.

2011 - 2013

D.E.C.T. Banking, Retail Markets

Lycée Jules Siegfried, Paris

2009 - 2011

D.E.C. Communication & HRM

Lycée Jean Rose, Meaux

REFERENCES

Dario Carpetti

Hydro-Québec, Montréal | March 2023 — July 2025

Delivery Manager, Hydro-Québec — Poste occupé : Functional Analyst

"Davy is an exceptional resource with a very good capacity for detail. His analysis is meticulous, and his team spirit is impeccable. He respects the process, the mandate he is assigned to, and the given milestones. I recommend him to any team."

Monique P.

Desjardins, Lévis | March 2020 — February 2022

Chargée de Projet TI chez Desjardins, Insurance Group - The Personal — Poste occupé : Functional Analyst

"Davy demonstrated good adaptability. He knew how to take advantage of the resources around him to develop his skills and gain confidence in his files. This very large-scale project introduced him to various situations that he learned to adapt to. It was a pleasure to work with Davy."

Antoine St-Onge

Hydro-Québec, Montréal | March 2023 — July 2025

Chef d'équipe, Direction Solution Auto — Poste occupé : Functional Analyst

"Having worked for more than 6 months with Mr. Gnanavelan as a Functional Analyst within my direction, I confirm that Davy has excellent technical aptitude in his role. He is able to understand business needs, write his functional files well, and also make information clear to the development team. Davy was able to handle complex files within our direction and the property insurance modernization program at Desjardins. Also, Davy is someone who wants to constantly learn and takes charge of his career according to the goals he sets for himself."

Mathieu M.

BforBank, France | March 2018 — January 2019

Application Domain Manager for Mobile Applications at BforBank — Position held: Mobile Functional Analyst

"Working with Davy is a real pleasure; he shows enthusiasm on a daily basis. Davy has a sense of service and is always inclined to move his subjects forward."

INTERESTS & CULTURE

Technology News

Android

iOS

Mobile Applications

Technological Innovations

High-tech Geek

Technology Watch

IT Knowledge Update

Self-Training

Udemy

Certifications

Well-being & Health

Méditation

Nutrition

Physical Health

Psychologie

Personal Development

Web and Mobile Project Manager at Malakoff Médéric — Position held: Product Owner / Mobile Project Manager

"I had the chance to be Davy's tutor during his final year of apprenticeship. He assisted me on the mobility scope of my Individual Customer Space activity, as PO / project manager. Davy knew how to quickly take charge of the scope, interactions with suppliers, and ensure timely delivery. He demonstrated diplomacy and professionalism in the face of difficulties. I therefore recommend Davy for a future mission of the same type or with development prospects."