

Radu Filipescu

Curiosity is what keeps me sane.

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EXPERIENCE

IRIS Software Group, Bucharest remote – Lead Software Engineer

June 2023 – present

I am currently part of the DreamChaser team (Platform Tribe).

Our main focus is to support and enable the development of our company's various internal guest apps that are embedded within the Elements host, the primary Software as a Service (SaaS) product for our organization.

As platform engineers, some of our key responsibilities include:

- Managing the marketplace where our end customers can purchase licenses tied to specific guest apps, directly supporting our organization's revenue growth.
- Handling tenant management, ensuring that all guest apps have the necessary resources and infrastructure to function efficiently.
- Overseeing user and end customer sign-up, sign-in, onboarding, and offboarding journeys, focusing on providing a seamless and user-friendly experience within the Elements host app.
- Implementing Role-Based Access Control (RBAC) for guest apps, ensuring secure and proper access for users throughout the ecosystem.
- Developing and maintaining a custom EventBus that is used to publish events across various Elements domains and guest apps, streamlining system integration and communication.

SKILLS

Finding the right tools for the job.

Research oriented decision making within the boundaries of the team needs and experience.

Team player.

TECHNOLOGIES

Frontend: React & Typescript, WPF (C#), Power BI web components, Office AddIns (C#)

Backend: C#, Python, RabbitMQ, Rust

Data: TSQL (MS Sql Server), PL/SQL (Oracle), Redis, PostgreSQL

ETL: SQL, Python, Rust, C#

Systems development: C#, Rust

Cloud: AWS, GCP

Infra: Terraform, GitLab-Runner, TeamCity, BASH & Powershell scripting, Python

LANGUAGES

English, Romanian (native)

**PentaQuark Software S.R.L., Bucharest — Co-Owner &
PlanIT Retail L.T.D., U.K. remote work — Solution
Architect/Tech Lead**

April 2016 - June 2023

pquark.com & planitretail.co.uk

I developed and executed innovative solutions for fashion retail planning, tailored to both specific and general needs of worldwide clients.

These solutions resulted in decreased planning expenses and enhanced revenues across both online platforms and physical stores.

By offering a comprehensive overview of business performance, encompassing aspects from sales to inventory management and budgeting for new purchases, I empowered various stakeholders—merchandisers, retail & wholesale buyers, and store & district managers—to make rapid, well-informed decisions in the dynamic fashion industry.

I facilitated the capture and distribution of user planning input across various decision-making parameters at each stage of the production process. My role involved close collaboration with diverse international teams of data analysts and software engineers, representing both suppliers and clients.

Retail planning solutions/modules I had direct impact on:

- Pre-Season: Merchandise Financial Planning, Assortment & Option Planning, Price Ranging, Item/Store ABC Ranking, Store Clustering, Franchise & Wholesale Management
- In-Season & Evergreen: Weekly Sales & Stock Intake, Line Cards, Allocation and Replenishment
- Post-Season: Stocks Clearance Management, Outlet Deals

EveryMatrix, Bucharest — Senior Full-Stack Software Engineer

January 2014 - March 2016

The company operates as a versatile provider of white label online betting and gambling services. My journey began in the GamMatrix CMS team, where I engaged in a variety of comprehensive tasks, including enhancing payment processing workflows, content management, managing bonuses and promotions, and developing a role management system to tailor content for different player demographics.

After a year, I transitioned to the GamMatrix Core Team, focusing on developing the backend systems for gaming and payments. A key aspect of my role was integrating APIs from various Payment Providers, such as Visa, Entropay, MasterCard, Neteller, Envoy, Skrill, and UKash, along with Gambling Game Vendors like NetEnt, BetSoft, and Microgaming, among others.

I focused on implementing systems crucial for managing player accounts and optimizing the gambling wallet. I developed efficient processes for sports betting batch transactions and handled the programming of long-running jobs in diverse business models. My contributions also included monitoring Application Insights and aiding in the reconciliation of key performance indicators (KPIs) and financial transactions, aiming to maintain accuracy and operational efficiency.

P.IT. Software S.R.L., Bucharest — Software Developer

March 2013 - January 2014

I spearheaded the design and implementation of a comprehensive Point of Sale System, tailored specifically for the HORECA industry, encompassing retail, delivery, and hotel management processes. This system was developed to streamline and enhance operational efficiency across various business types.

Additionally, I developed a robust Back Office/Inventory Management System, a vital tool for managing inventories, vendor relationships, sales, and profitability within stores, hotels, or restaurants. This system was key in providing comprehensive management capabilities in these settings.

My expertise also extended to upgrading an older Hotel Management System, infusing it with modern features to meet the current standards of the HORECA industry. This involved enhancing the system's capabilities to align with contemporary operational requirements.

ECRION Software S.R.L., Bucharest — *Software Developer*

June 2012 - February 2013

Integration & development of multiple **Search Engines/Search Service Applications** into a single, friendly search experience, on **Microsoft Sharepoint** Web platforms.

Developing APIs for a secure, **search-based access to information** across an organization regardless of its location, without it being indexed remotely.

EDUCATION

University of Bucharest – Computer Science — *Bachelor's degree*

2011 - 2014

Liceul Teoretic Anghel Saligny Cernavoda – Mathematics & Informatics — *High School diploma*

2007 - 2011