



# Key Project Contributions in Full Stack Development

Jimmy Mathew

 +33 7 45 72 19 40

 jimmy.connect@gmail.com

 Toulouse, France

 [linkedin.com/in/jimmy-mathew](https://linkedin.com/in/jimmy-mathew)

## TransUnion Rental Screening Solutions (TURSS)

**Role:** Lead Developer

**Duration:** 2023 – 2025

**Technologies Used:** AWS, .NET Core, C#, Web API (Microservices), PostgreSQL, Angular

### Description:

Developed a comprehensive tenant evaluation platform for landlords, integrating credit reports, background checks, eviction history, income verification, and identity confirmation. The system also provided a tenant risk score and integrated seamlessly with property management software.

### Key Achievements:

- Led a team of eight in designing and implementing scalable microservices architecture using .NET Core.
- Leveraged AWS for cloud infrastructure, ensuring high availability and performance.
- Utilized PostgreSQL for efficient data storage and Angular for an intuitive user interface.
- Spearheaded automated CI/CD pipelines using Azure DevOps, streamlining deployment and infrastructure support.
- Initiated performance and security optimizations to enhance platform reliability.

## TransUnion API Marketplace

**Role:** Lead Developer

**Duration:** 2021 – 2023

**Technologies Used:** .NET Core, C#, Web API (Microservices), PostgreSQL, Angular

**Description:**

Built a streamlined API marketplace platform for exploring TransUnion's suite of APIs, accessing comprehensive documentation, and managing efficient API integrations. The platform enhanced operational workflows and improved customer engagement.

**Key Achievements:**

- Led a team of five in designing and implementing microservices architecture using .NET Core.
- Utilized PostgreSQL for backend data management and Angular for a dynamic front-end experience.
- Improved API integration efficiency and enriched user experience with robust documentation and onboarding flows.

## TransUnion Consumer Interactive (TUCI)

**Role:** Senior Developer / Developer

**Duration:** 2019 – 2021

**Technologies Used:** .NET Core, ASP.NET MVC 5, Web API, WCF, SQL Server, Angular

**Description:**

Developed various applications within the TUCI suite, including Consumer Portal, Credit View, Consumer Connect Service, and USSD, along with an internal Call Center application for support. The Consumer Portal allows direct-to-consumer (D2C) access to TUCI products, enabling users to register and purchase products without intermediary partners.

**Key Achievements:**

- Architected and implemented microservices using .NET Core and Web API.
- Developed dynamic user interfaces using Angular and integrated with SQL Server for robust data management.
- Enhanced the Consumer Portal for seamless direct consumer access and product transactions.

## ID Vision 2.0

**Role:** Developer

**Duration:** 2019

**Technologies Used:** ASP.NET MVC, C#, Web API

**Description:**

Built identity risk modules using Optical Character Recognition (OCR), Document Authentication (DA), and Facial Recognition (FR) to assess applicant identity risk. Used to process requests between TransUnion and its subscribers.

**Key Achievements:**

- Developed secure API endpoints for biometric data processing.
- Collaborated with data science teams to integrate scoring algorithms.
- Ensured compliance with global data privacy standards.

## Integrated Demand Management System

**Role:** Software Engineer

**Duration:** 2019

**Technologies Used:** ASP.NET MVC, Oracle 11, NHibernate, Kendo UI

**Description:**

Created a platform to align customer demand with manufacturing execution plans, including installation of space, equipment, resources, and materials.

**Key Achievements:**

- Designed UI workflows for equipment and resource scheduling.
- Implemented NHibernate ORM for complex relational mappings.
- Delivered reporting modules for operational forecasting.

## Dynamic Form Management (DFM)

**Role:** Software Engineer

**Duration:** 2018

**Technologies Used:** ASP.NET Core, Web API, SQL Server, Kendo UI

**Description:**

Built a plug-and-play framework for generating dynamic forms without manual coding. Enabled rapid application development and reduced engineering effort.

**Key Achievements:**

- Engineered backend logic for control generation and data binding.
- Enabled form-to-database linkage with validation and role-based access.
- Reduced development time for internal tools by over 60%.

## Resource Forecasting

**Role:** Software Engineer

**Duration:** 2018

**Technologies Used:** ASP.NET MVC, SQL Server, Kendo UI

**Description:**

Developed a resource allocation tool for project managers to efficiently manage team assignments.

**Key Achievements:**

- Built dashboards for skill-based resource mapping.
- Automated report generation for executive reviews.
- Integrated allocation logic with project timelines and availability.

## Framework Components

**Role:** Software Engineer

**Duration:** 2017

**Technologies Used:** Angular 7, ASP.NET Core, Entity Framework

**Description:**

Created a reusable framework offering core services like authentication, role management, and mailing.

**Key Achievements:**

- Developed modular components for authorization, mailing, and user roles.
- Enabled seamless integration with other enterprise applications.
- Conducted internal workshops to onboard teams to the framework.

## Failure Analysis System

**Role:** Associate Engineer

**Duration:** 2016

**Technologies Used:** ServiceNow Cloud, AngularJS

**Description:**

Built a web-based system for tracking failure analysis requests and approvals.

**Key Achievements:**

- Developed UI for status tracking, approvals, and sample returns.
- Integrated ServiceNow workflows with internal reporting tools.
- Enhanced operational transparency and turnaround time for engineering teams.

## Loyola College Projects

**Role:** Student Developer

**Duration:** 2010 – 2016

**Technologies Used:** PHP, HTML, JavaScript

**Description:**

Contributed to multiple institutional projects during MCA and B.Sc. studies.

**Key Achievements:**

- Developed the official Loyola College website.
- Automated the online admission process via the “Admit One” project.
- Built a PHP-based event management system for MCA department festivals.