

## Contact

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## Top Skills

C# & .NET  
Javascript  
Python  
Distributed Systems  
Event Driven Architecture

## Languages

English

## Certifications

TOGAF 10 Practitioner  
Azure Solutions Architect Expert  
Programming in HTML5 with  
JavaScript and CSS3 Specialist  
Practical Leadership

# Mihai Panait

Application Architect  
Bucharest Metropolitan Area

## Summary

I am a passionate and results-driven Software Engineer/Architect with a lot of experience in designing and building scalable, cloud-native solutions. My expertise lies in crafting robust architectures and delivering high-quality software that drives business success. I thrive on solving complex problems, simplifying technical challenges, and creating systems that are performant, maintainable and user-friendly.

Throughout my career, I've had the opportunity to work on diverse projects, throughout the entire application development lifecycle, from smart city platforms leveraging AI and deep learning to cloud-native applications supporting the expansion of electric vehicle charging infrastructure across Europe. I enjoy collaborating with cross-functional teams to bring innovative ideas to life, whether it's integrating data from multiple sources, optimizing backend systems, or developing intuitive frontend interfaces.

I'm passionate about Distributed Systems and I'm constantly exploring new technologies, refining my skills, and sharing knowledge with others. I believe in the power of collaboration and the importance of building software that makes a real impact.

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## Experience

Arnia Software

4 years 6 months

Senior Software Engineer

April 2025 - Present (4 months)

Bucharest, Romania

Project: EnBW - Customer Master Data Management (Kundenplattform)

Building cloud native customer platform, giving a 360 degree view of the customer in the context of the enterprise in both commodity and non-commodity areas. Integrating with Commodity CRM, PowerCloud, Non-

Commodity CRM, Customer Identity, Customer Data Search, Datawarehouse (DWH). Event distribution to interested 3rd party systems. Self-Service Dev Platform for event subscriptions.

Technologies: Event-Driven Architecture, Event Sourcing, Event Choreography, Self-Service Developer Portals, Blazor, API Management, Azure App Service, Azure Functions, Azure Service Bus, Cosmos Db, PostgreSQL, Azure Storage, vNet integrations, Azure VPN, DevOps, Monitoring Dashboards, IaC, Python

### Senior Software Engineer

June 2024 - April 2025 (11 months)

Bucharest, Romania

Project: EnBW - Lead Management & Non-Commodity CRM

Building cloud native integrations around Microsoft Dynamics 365, building non-commodity flows like THG-Quote, offering electric car owners various premiums and subsidies. Product bundles, customer notifications, invoicing and payment integrations, flow orchestrations, CMDM integrations. Lead management service. Lead enrichment, scoring and routing. Permissions & Double-Opt-In flows. GDPR flows.

Technologies: Azure Durable Functions, Azure App Service, Azure App Configuration, Azure Entra Id, Azure KeyVault, vNets, Cosmos Db, Azure SQL Server, Azure Storage, Azure Service Bus, Application Insights, Active Directory, IaC with Bicep, yaml based CI/CD pipelines, PowerShell automation scripts, E2E Tests, Angular 16+, Typescript, Dynamics 365, SonarQube, Nexus IQ,

### Application Architect

June 2022 - June 2024 (2 years 1 month)

Bucharest, Romania

Project: EnBW - Locations Management Team

Building cloud native applications to support the sales department with the planning and expansion of the electrical charging stations across multiple countries.

Technologies: Azure, dotnet Core, Angular, arc42

### Software Engineer

February 2021 - June 2022 (1 year 5 months)

Bucharest, Romania

Project: EnBW - SCALE Team

Building cloud native integrations based on Microsoft Azure, supporting the sales department for one of the largest green energy producers in Germany.  
Technologies: Azure, dotnet Core, ARM templates, DevOps, Angular 11+

## Cegeka

6 years 7 months

### Digital Twin Engineer

March 2020 - March 2021 (1 year 1 month)

Bucharest, Romania

Project: Predictive Mobility (Smart Cities Division)

Building a data-driven platform that uses state of the art Deep Learning models to generate traffic predictions. Cities and mobility consultants will be able to use our tool to do urban planning, by running traffic predictions and simulating new city plans on our platform. In the future, this platform will evolve into a datahub where AI models and data of different domains can be joined and can be used by customers.

#### Responsibilities:

- Integrating mobility data from different sources by developing backend components to collect, transform, aggregate data from internal and external sources and store them in our data lake. Examples are: traffic count data, floating car data, weather data, traffic incidents data, city event data, ... which need to be collected & standardized in a single data schema per data type.
- Develop backend components for serving historical data, prediction data & simulation data. This will require defining, developing and introducing caching mechanisms, hot/cold/archive tiers for the different data types and setting up queryable databases for mobility data and prediction data (geospatial databases, graph databases).
- Orchestrating automatic model training, data sanity reporting, data quality evaluation, AI model performance.
- Develop web-based frontend components to allow users to interact with historical and prediction data and to set up simulations on geographical data.

#### Technologies:

- Frontend: React, Redux, MapBoxGL JS, DeckGL, NebulaGL
- Backend: C# and Python
- AI Models: in Python, using PyTorch
- Cloud-based, completely running in Microsoft Azure

## Application Architect

February 2019 - March 2020 (1 year 2 months)

Bucharest, Romania

Project: Parking as a Smart Service (PaSS) (Q-Park)

Parking as a Smart Service is a cloud first solution designed and built from ground up by our team that integrates state of the art software and hardware used by Q-Park to support the daily business activities. Since the services are consumed by hundreds of facilities across multiple countries in order to provide access to thousands of customers, the main challenges were to build a scalable and performant platform with zero downtime during deployments. Aside from the back-end, we have also built a React web application that is used by customer service to address incidents which prevent customers to enter/exit a facility, and also a React web application that simulates a virtual parking facility used to test and simulate complicated flows without the need to actually drive in the physical facility.

Technologies: Azure Service Fabric, .net core, WebAPI, NServiceBus, Typescript, React, Redux

## Senior .Net Web Developer

September 2016 - February 2019 (2 years 6 months)

Bucharest, Romania

Project: Parking Facility Management (C2C) (Q-Park)

Worked on a parking facility management web application developed for Q-Park Netherlands, used in more than 10 countries in Europe. The parts developed by my team are C2C Portal - used to manage the parking facilities and used by service desk to solve the requests or issues for the end customers (parking clients) but also for administrative processes like billing or access management, Landlord Portal – used by third party landlords that want to operate their own parking facilities and Public API – used by third parties, including control fee agents that use PDAs on site to check if a registration number has the rights to park there.

Technologies: .net core, WebAPI, MVC, MS SQL, NServiceBus, Typescript, Angular Js, React, Redux, Docker

## .Net Web Developer

September 2014 - September 2016 (2 years 1 month)

Client: Gateway Belgium

Project: Hotels Engine

Technologies: AngularJS, ASP.Net MVC, WebAPI.

Details: Worked on a hotel booking engine used by travel agencies around the world. Since it was designed as a business to business project, the main challenge was to consume multiple accommodation providers from different vendors and to present the results to the booking agent as fast as possible with a responsive UI and fast client-side filtering. I worked with software development approaches like XP, TDD, BDD, DDD and SCRUM along with an interesting technology stack.

## Indaco Systems

.Net Web Developer

August 2013 - September 2014 (1 year 2 months)

Worked on various web projects as part of the web development team.

The most important project was Lege5, a Romanian and European legal documents search engine and DMS. Technology stack included Asp.Net MVC, JQuery, C#, WebApi, EntityFramework, MsSql, Javascript, HTML5, CSS.

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## Education

Spiru Haret University

Informatics · (2013 - 2016)

Universitatea Petrol-Gaze din Ploiești

Finance - Banking · (2001 - 2004)