.NET ARCHITECT

Education

Master Degree, Computer Science

Language proficiency

English — C1

Domains

FinTech / Banking
Insurance
Crypto / Blockchain
SME Loans & Scoring
Digital Banking & Payments
EdTech
Healthcare
Social & User Platforms

.Net Architect with 10+ years of commercial experience.

.NET Solution Architect with 10+ years of experience designing and delivering scalable, secure, cloud-native enterprise systems. Expert in microservices, DDD, CQRS, event-driven architectures, and modern .NET (including .NET 10, Entity Framework, Blazor). Strong background in Azure, serverless workflows, observability (OpenTelemetry), and production readiness. Skilled in threat modeling, OWASP-aligned security design, and compliance for regulated domains (KYC/KYB, SOC2). Experienced in documenting architecture (C4, sequence diagrams, data models, ADR), leading cross-functional engineering teams, integrating external systems, and strategic thinking used to translate business goals / requirements into technical roadmaps. Hands-on with Azure Foundry AI and ML.NET for intelligent automation within .NET platforms.

.NET Ecosystem

.NET Framework / Core, .NET 5-10, ASP.NET Core MVC/Web API, Blazor, WPF, MAUI, EF; patterns like CQRS, DDD, N-Tier / Clean / Onion Architecture

Cloud Platforms

Azure (AKS, ACA, App Service, Functions, API GW, APIm, VNET, Service Bus, Blob, Foundry AI, AI Search, etc.); AWS (EC2, EKS, Lambda, SQS/SNS, etc.)

Architecture Patterns and Practices

Monolith-First, Microservices, Event Sourcing, Serverless, ESB, Client-Server (REST, SOAP, gRPC, WebSockets), TOGAF, Azure Well-Architected Framework, SbD principles, OWASP ASVS

DevOps & Infrastructure

Docker, k8s, IaC(Terraform, Pulumi), CI/CD (Azure DevOps, GitHub Actions), IIS

Databases

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MS SQL, PostgreSQL, MongoDB, CosmosDB, Redis

AI & Intelligent Automation

Azure OpenAI Services, ML.NET

Other

OAuth 2.0, Open API, Open Telemetry, Prometheus, Grafana; C4 model, Arc42, ADR, UML, DBML, Visio

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Projects

CRYPTOCURRENCY WALLET

A project to develop a crypto wallet with trading functionality for a large US company, a leader in coin counting. This company, with over 30 years of experience in the market, operates over 20,000 self-service kiosks in North America, Japan and Europe. The project includes the development of native iOS and Android cryptocurrency wallet apps, as well as a web-based administration panel for user management, allowing SMEs to apply for and receive loans quickly and efficiently.

Position

Solution Architect

Period

03.2024 – 05.2025

Responsibilities & achievements

- Participate in two weeks on-site brainstorming period with other professionals and stakeholders to determine functional and non-functional requirements for new software or applications;
- Developing high-level product specifications with attention to system integration and feasibility (c4 model, sequence diagrams, data model diagram);
- Communication with 3rd party vendors and development specifications that describe integration;
- Communication with the engineering team, controlling solution development; enforcing quality standards;
- Organized knowledge transfer to 3rd level support team, participated in production maintenance in the first period.

Environment

.NET 8, ASP.NET Web API, EF Core, MediatR, Clean Architecture, AutoMapper, FluentValidation, xUnit, Auth0, Azure (Kubernetes Service, API management, Event Hub, Notification Service, Key Vault, Application Insights), Ms SQL

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PLATFORM FOR LOANS

Platform for providing affordable and flexible financing in the form of loans and equity capital to small and medium enterprises. The platform's primary objective is to provide SMEs with easy access to financing options while ensuring that the process is smooth and hassle-free. The integration of KYC/KYB processes ensures that the platform is secure and adheres to all regulatory requirements. The payments management feature ensures that the process of loan repayment is seamless and convenient for the SMEs. Additionally, the platform offers end-to-end loan process support.

Project roles

Solution Architect

Period

04.2023 – Till now

Responsibilities & achievements

- Conducted a technical audit process when accepting a project from another engineering team;
- Developed a plan for refactoring the backend part of the system and the database scheme. Estimated labor costs and timeline;
- Developed implementation plan to integrate with external software systems; participate in meetings with various external teams to clarify the scope of integration; created documentation that describes the scope of each external party;
- Define system non-functional requirements, manage compliance with NFRs, prepare solution and documentation for independent penetration testing and SOC2 type 2 audit;
- Communication with the engineering team, controlling solution development; enforcing quality standards.

Environment

.Net 8, React.js, Azure, Ms SQL, Entity Framework, SignalR, Docker, Kubernetes, Github, Structurizr, ForgeRock, Plaid, DocuSign

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AUTONOMOUS BILLING PLATFORM

The autonomous billing platform helps businesses to be paid on time and streamlines the entire process, allowing companies to focus on growth and improvement rather than on billing. The platform eliminates human errors in B2B payments and fraud risks by providing an end-to-end solution, powered by Stripe invoices. The platform's killer features include the ability to create agreements between customers and contractors, issue invoices, and make payments via ACH or card, all while incorporating the best practices and lessons learned from other billing platforms.

Position

Solution Architect / Team Lead

Period

06.2022 – 03.2023

Responsibilities & achievements

- Collaborating with other professionals to determine functional and non-functional requirements for new software or applications;
- Developing high-level product specifications with attention to system integration and feasibility (C4 model, sequence diagrams, data model diagram);
- Communication with 3rd party vendors and development specifications that describe integration;
- Provide technical guidance and coaching to developers and engineers;
- Ensure software meets all requirements of quality, security, modifiability, extensibility etc.

Environment

.Net 6, Angular, MSSQL, Azure, Hangfire, Stripe, Dwolla

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MOBILE BANKING APP

The mobile banking application includes onboarding, internal and external transfers, card issuing and bill payments, as well as support for existing applications for EU-based clients. Additional features are translations and credits. The application is designed to be user-friendly, secure, scalable, and reliable, with a consistent design and layout across different platforms.

Position

Team Lead / Senior Software Engineer

Period

01.2022 – 08.2022

Responsibilities & achievements

- Led a small development team on backend tasks, coordinated daily work, and ensured alignment with project objectives;
- Participated in requirement clarification with product and business stakeholders, translating functional and non-functional needs into technical tasks;
- Managed deployment of backend services and supported multiple runtime environments;
- Designed and implemented CI/CD pipelines for the development team, improving delivery speed and reliability;
- Oversaw integrations with external payment systems and ensured secure communication flows;
- Performed code reviews, mentored junior developers, and enforced engineering best practices;
- Contributed to troubleshooting, debugging, and post-release support, ensuring stability and performance of production systems.

Environment

Visual Studio 17, GIT, MS SQL Server 16. ASP.NET Core, Entity Framework Core, Redis Cache, NLog, Identity Server, Marqeta, Plaid, Stripe

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APP FOR GETTING INSTANT LOANS FOR SMALL BUSINESSES

An application that offers loan and equity financing to small businesses, as well as automatic credit scoring features. The application is highly integrated with credit history providers, bank account information aggregators, and virtual credit cards. The application is designed to simplify the process of obtaining credit for small businesses by eliminating paperwork and reducing the amount of personal and business information required. The borrower is only required to provide basic information, such as their business name, address, and VAT number, and the application uses data available from loan offices to determine their solvency. The system then generates a decision and signs an agreement with the help of e-signature, making the process quick and hassle-free. The project also aims to include a credit consolidation feature in the future, allowing borrowers to consolidate their credits from other banks into one application.

Position

Team Lead

Period

05.2017 – 02.2022

Responsibilities & achievements

- Optimize and refactor code for performance;
- Lead code reviews and enforce quality standards;
- Implementation of the UI components and pages from scratch;
- Implementation of the API endpoints;
- Foster team collaboration and knowledge sharing.

Environment

Visual Studio 17, GIT, MS SQL Server 16. ASP.NET Core, Entity Framework Core, Marqeta, Facebook Account Kit, Redis Cache, NLog, Identity Server

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RETIREMENT INVESTMENT PLATFORM

The project is a retirement platform that enables individuals to invest their retirement funds in a variety of digital assets, including cryptocurrencies. It offers easy-to-use investment tools, robust security features, and 24/7 customer support. Additionally, the platform allows individuals to raise retirement funds in cryptocurrency, providing access to innovative investment options.

Position

Lead Software Engineer

Period

03.2022 – 06.2022

Responsibilities & achievements

- Provide technical guidance and coaching to developers and engineers;
- Ensure software meets all requirements of quality, security, modifiability, extensibility etc;
- Collaborating with other professionals to determine functional and non-functional requirements for new software or applications;
- Developing high-level product specifications with attention to system integration and feasibility (sequence diagrams, data model diagram);
- Communication with 3rd party vendors and development specifications that describe integration.

Environment

.Net 6, Angular, Angular Material, PostgreSQL, AWS (AWS RDS, AWS S3, AWS Cloudfront), GIT, PrimeTrust, SendGrid, Twilio

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MONEY TRANSFER APP

A mobile application available on both IOS and Android platforms, offering a range of services for money transfer, savings management, and cryptocurrency trading. The app is designed to be user-friendly and secure, with a focus on providing a seamless user experience for individuals in Haiti, where the crime rate is high, making money transfers through the app a safe alternative to traditional banking. The key features of the project include the ability to deposit money into the user's account, create a piggy bank for a certain period of time, transfer money to another user, request money from another user, and buy/sell cryptocurrency. The app's Sabotay feature is designed to help users save money by preventing them from withdrawing funds from the account during the designated period. Additionally, the app supports the trading of cryptocurrency, providing users with a secure and efficient way to invest and manage their digital assets.

Position

Lead Software Engineer

Period

09.2021 – 04.2022

Responsibilities & achievements

- Lead code reviews and enforce quality standards;
- Implement microservice for comprehensive pdf report generating;
- Plan and allocate resources effectively;
- Identify and address system vulnerabilities and security risks;
- Optimize and refactor code for performance;
- Implement and maintain technical documentation (SAD, DMD, Sequence Diagrams, ADRs, C4Model).
- Collaborate with PM and BA about functional requirements, project timelines and required resources allocation.

Environment

.Net Core 3.1 , MS SQL, Angular 2+, Twilio, SendGrid, Shufti pro

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DIGITAL BANK PLATFORM

The project aims to create a SuperApp, offering a comprehensive range of services primarily for small to medium-sized enterprises (SMEs) and entrepreneurs through a set of standalone and interconnected products via mobile app and web interface. The platform acts as a hub for investment and consultation services for business start-ups in need of investor connections, digital banking, payment services, and talent for single tasks, projects, or full-time engagements.. The platform also includes a trading and investment feature, allowing businesses and individuals to grow their earnings through the latest financial investment plans tailored to their specific needs. The project's key features include a data-driven AI engine that analyzes user requests and needs to provide the best possible unique proposals and networking opportunities.

Position

Solution Architect

Period

06.2021 – 11.2021

Responsibilities & achievements

- Help customers with enterprise architecture implementation;
- Analyzing technology stacks and 3rd party services that could be the most suitable choice;
- Implementation of software architecture for particular models;
- Reusable framework design and implementation;
- APIs design;
- Implementation of security architecture (network architecture, IAM, data storage security);
- Implementation of ETL pipelines.

Environment

Visual Studio 17, GIT, MS SQL Server 16. ASP.NET Core, Entity Framework Core, Marqeta, Facebook Account Kit, Redis Cache, NLog, JWT

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MOBILE BANKING APP FOR MIGRANTS

The mobile banking app is designed specifically for migrants to help them with financial transactions such as sending money to families, accessing paychecks early, obtaining microloans, and more. The app offers onboarding, card issuance, and facilitates transfers between users or Automated Clearing House (ACH) transfers. Additionally, users can set up automatic salary transfers to the app and replenish their card from other cards, providing added convenience. The app also offers loan products to help users with their financial needs.

Position

Solution Architect

Period

06.2020 – 10.2021

Responsibilities & achievements

- System architecture implementation;
- Database design, REST API design;
- System documentation implementation: UML Sequence Diagrams, Data Model Diagram, C4 model + Deployment View;
- Communication with customer;
- Communication with customer data engineering team, design services communication;
- Third-party services investigation, competitors analysis, communication with third-party services representatives, design and documenting of the integration approaches;
- Implementation efforts estimation, services cost estimation;
- Code review.

Environment

Visual Studio 17, GIT, MS SQL Server 16. ASP.NET Core, Entity Framework Core, Marqeta, Facebook Account Kit, Redis Cache, NLog, JWT

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MOBILE APPLICATION FOR MONEY TRANSFERS

A mobile application available for iOS and Android platforms that provides customers with a secure way to transfer funds almost instantly from the USA to African bank accounts. The app is designed to simplify and streamline the process of transferring funds, providing a seamless user experience for customers. The key feature of the project is the availability of different payout methods, including debit card, mobile phone, and cash. This allows customers to choose the most convenient and suitable method for their specific needs, making the transfer process more flexible and adaptable.

Position

Solution Architect

Period

04.2020 – 09.2021

Responsibilities & achievements

- Architecture development of the application;
- Development and optimization of backend architecture for the application, focusing on scalability, performance, and security;
- Payment Integrations implementation;
- Research and analysis of new technologies to drive informed decision-making and support strategic implementation;
- Leading end-to-end requirements analysis, collaborating with stakeholders to translate business needs into detailed technical specifications for both frontend and backend development.

Environment

ASP.NET Core, EF Core, Ms SQL, Azure, Identity Server 4, Angular, xUnit, Flutterwave, Swerve, M-Pesa

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PLATFORM FOR IDENTIFYING PEOPLE'S STANDOUT TALENTS, CAREER DRIVERS AND VALUES

The platform, powered by advanced assessment technology and behavioral science, enables individuals to discover and leverage their unique talents, career drivers, and values to achieve their best performance at work. Rather than labeling people with generic and inaccurate descriptions, it provides a personalized approach that promotes inclusivity and unlocks exceptional outcomes. The platform also helps individuals identify and address their performance limiters by reducing overused talents and improving weaker areas, leading to positive change, increased motivation, and job satisfaction.

Project roles

Software Engineer

Period

07.2020 – 07.2021

Responsibilities & achievements

- Design and implement complex features;
- Plan and allocate resources effectively;
- Identify and address system vulnerabilities and security risks;
- Optimize and refactor code for performance.

Environment

.Net Core, IdentityServer, MSSQL, EF Core, Angular 15, ClosedXml, JSReports, ITextSharp, Stripe

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DIGITAL INSURANCE MARKETPLACE WITH RECOMMENDER ENGINE

An online marketplace that serves as a platform connecting insurance brokers, insurance companies, and end customers. Our marketplace stands out for its innovative automation of information exchange and key business processes, including customer acquisition, underwriting, and claims management. One of the key features of our marketplace is the implementation of a powerful recommender engine that assesses client information and suggests the most suitable insurance plans based on their needs. This feature ensures that customers can find the best fitting insurance plans quickly and efficiently.

Project roles

Software Engineer

Period

08.2019 – 01.2020

Responsibilities & achievements

- Drive continuous integration and deployment processes;
- Ensure secure coding practices and application security;
- Develop and maintain technical documentation.

Environment

Asp.net core, ef core, Ms SQL, Azure, Identity Server 4, Angular

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WEB TOOL FOR MONITORING FINANCIAL METRICS

Project is a web tool for monitoring financial metrics calculated by data received from payment systems.

Project roles

Software Engineer

Period

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Responsibilities & achievements

- Software development;
- Bug fixing;
- Support.

Environment

Visual Studio 2015, GIT, MS SQL Server 2014, jQuery, MVC Core, JavaScript, Inspinia, Bootstrap 3, SASS, AngularJS, Angular Charts, Entity Framework, Stripe, JWT, NLog

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DOCUMENT MANAGEMENT SYSTEM

A user-friendly dashboard which can always be accessed from anywhere using a web browser. It is a Document Management System in which the importance of version control, classification and the accessibility of information, such as drawings, certificates and procedures, is evident. Moreover, the system facilitates extensive collaboration between parties because everyone has access to the same central document management system from their own work station. It can also be linked easily to once existing document management system.

Project roles

Software Engineer

Period

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Responsibilities & achievements

- Development of new features;
- Features estimation and decomposition;
- Refactoring;
- Code optimization;
- Bug fixing;
- Support.

Environment

MS Visual Studio 2015, C#, ASP.NET MVC, ASP.NET Web Forms#, ASP.NET Web API 2.0, Windows Services, Open XML, JavaScript, jQuery, SASS, bootstrap, MS SQL Server 2014, Oracle, MS Access, Adobe EchoSign SOAP API, AutoDesk API

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Professional skills

SKILLS		EXPERIENCE IN YEARS
PROGRAMMING LANGUAGES AND PLATFORMS	ADO.NET, EF, Dapper	10+
	Windows Forms	10+
	Windows Services	10+
	C#, .NET Framework, .NET Core	11+
	ASP.NET (MVC, Web API, WebForms)	10+
	WPF, WCF	9+
	SignalR 2.0	8+
	RabbitMQ, Azure Service Bus, Kafka	5+
	Azure Cloud, Docker	8+
	Xamarin Forms	2+
	JS, HTML, CSS, jQuery, Ajax	11+
	Angular.js, Angular 2+, Aurelia.js	9+
	XML, YAML, JSON	9+
	C++, Win32 API	1
DBMS	MS SQL, PostgreSQL, MongoDB	10+

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