

Audrius Masiulionis

Principal Engineer | software delivery, DevOps & .NET on Azure

📍 Vilnius, Lithuania 🔗 audriusmasiulionis.github.io  [audriusmasiulionis](#)  [AudriusMasiulionis](#)

Summary

Principal engineer with ten years building and running .NET systems for banks, pension providers and energy companies: SEB, Visma, Chevron. My specialty is software delivery: CI/CD pipelines and engineering practices that take teams from infrequent, risky releases to shipping daily and safely, on Azure, with C#, .NET and Python. Available part-time (2–3 days/week, remote) as a fractional principal engineer.

I own the full delivery lifecycle, from architecture and development to infrastructure as code and production operations, across both greenfield builds and legacy modernisation. I lead engineering teams, shape technical direction, and embed reliability, observability, and security best practices, enabling teams through automation and standardisation.

Skills

Languages & data: C# (8 yrs), Python (2 yrs), SQL (8 yrs), NoSQL (5 yrs)

Cloud & DevOps: Azure (5 yrs), Azure DevOps (5 yrs), IaC (5 yrs), Docker (3 yrs), Kubernetes (2 yrs)

Architecture & leadership: Software Architecture (5 yrs), Leadership (4 yrs)

Frontend: Angular (5 yrs)

Experience

Principal Engineer (Contract), Toughlex Feb 2026 – Aug 2026

- Principal engineer for a bank customer onboarding platform, owning technical direction across a microservice-based system built on .NET, React, AKS, and ArgoCD.
- Integrated the platform with Lithuanian state registries, Registrų centras (Centre of Registers) and Sodra (State Social Insurance Fund), for automated customer data verification.
- Designed and implemented a module-based permission model using OpenFGA, providing fine-grained access control across services.
- Re-architected the Apollo GraphQL gateway to hot-reload schemas on change instead of introspect-and-compose, eliminating gateway downtime and removing manual resets when schemas changed.
- Lead technical analysis and design, proposing changes and shaping key technical decisions across the platform in collaboration with architects.

Technical Lead (Contract), Chevron June 2023 – Oct 2025

- Defined and executed technical and DevOps strategy, aligning cloud architecture, delivery pipelines, and operational practices with business objectives, scalability, and compliance requirements.
- Led a 7-member cross-functional team, providing technical leadership, mentorship, and oversight across development, DevOps, and release management.
- Designed and maintained CI/CD pipelines and cloud infrastructure on Azure, introducing best practices such as feature flags, blue-green deployments, and automated testing for faster, more reliable releases.
- Developed and integrated C# backend and Angular frontend applications, including integrations with contractor, workforce, and third-party waste management systems.
- Built and optimized Azure Functions and Synapse Analytics solutions for event-driven workflows, data processing, and reporting.
- Collaborated with architects and stakeholders on key architectural decisions; delivered greenfield projects to production, meeting all delivery milestones and quality standards.
- Monitored and optimized cloud performance, reliability, and cost efficiency through proactive DevOps practices.

Senior Software Engineer (Contract), Chevron June 2022 – June 2023

- Developed a platform for indexing, classifying, and visualizing geospatial and temporal data.
- Implemented backend services in Python, leveraging GDAL and STAC standards for geospatial data handling.
- Built and maintained cloud-native solutions on Azure, deployed with Kubernetes.
- Developed and supported the Angular frontend for data exploration and visualization.
- Optimized data processing workflows to ensure scalability and performance for large geospatial datasets.

Cloud Consultant (Contract), Danske Bank Mar 2022 – May 2022

- Advised a development team of a Scandinavian financial institution on cloud migration strategy from legacy mainframe systems.
- Designed and recommended API-first architecture to enable modular and scalable services.
- Guided adoption of AWS cloud-native services, including Lambda for serverless compute and DynamoDB for high-availability data storage.

Service Architect / Technical Team Lead, Visma Idella Apr 2021 – Mar 2022

- Led a 9-member development team delivering services and portals for Dutch pension administrators.
- Oversaw design and implementation of ASP.NET Web API solutions and Azure Serverless applications.
- Managed deployments on Azure App Services and integrated with Cosmos DB, MongoDB, and Azure Storage.

- Established and maintained CI/CD pipelines with Azure DevOps; defined infrastructure using ARM templates and Terraform.
- Ensured code quality through XUnit testing and peer code reviews.

Senior Developer, Visma Idella

July 2020 – Apr 2021

- Designed and developed a multi-tenant microservice for processing payroll data for Dutch pension administrators.
- Implemented backend services using ASP.NET Web API with integrations into Azure Serverless components.
- Deployed and managed applications on Azure App Services with storage and persistence in Azure Storage and Cosmos DB.
- Defined infrastructure with ARM templates; automated build, test, and release with Azure DevOps CI/CD pipelines.

Lecturer, Vilnius Coding School

Nov 2017 – Dec 2018

- Delivered lectures and hands-on training on Java fundamentals and advanced .NET C# concepts.
- Designed course materials, exercises, and practical projects; guided students through best practices, debugging, and problem solving.

.NET Developer, Visma

Aug 2017 – June 2020

- Main developer for a pension administration portal used by Danish clients.
- Implemented backend services with ASP.NET MVC and ASP.NET Web API, integrating with Entity Framework and MSSQL.
- Developed and maintained AngularJS frontend components for user-facing functionality.

.NET Developer, Nortal

Jan 2017 – July 2017

- Developed online portals for Baltic telecommunication companies, delivering user-facing and backend functionality.
- Built backend services using ASP.NET MVC and ASP.NET Web API, with Entity Framework and MSSQL for data management.
- Implemented frontend features with AngularJS, ensuring responsive and interactive user experiences.

Junior .NET Developer | .NET Developer, SEB

Feb 2016 – Jan 2017

- Developed and maintained internal banking systems using ASP.NET Web Forms and Entity Framework.
- Collaborated with team members to implement business requirements and optimize system performance.

Education

Vilnius University, Lithuania, Bachelor in Management Information Systems

2011 – 2015

Certifications & Languages

Certifications: AWS Certified Cloud Practitioner, LPI Linux Essentials

Languages: English (full professional proficiency), Lithuanian (native)

Community

- Visma Idella DevOps Guild Member (Jan 2021 – Mar 2022)
- Visma Idella Developer Guild Member (Jan 2021 – Mar 2022)
- Visma Idella Service Architect Guild Member (Jan 2021 – Mar 2022)
- Visma Internship Committee Member (Jan 2019 – Jan 2021)
- Visma Internship Mentor (Aug 2017 – Jan 2019)

Achievements

- 2026 Ironman Tallinn finisher (12:47)
- 2025 Riga Marathon finisher
- 2025 Poznań Ironman 70.3 finisher