



# AIRES NETO

 airestn1@gmail.com

 07754335455

Senior Full-Stack Engineer with 10+ years of experience building scalable production systems across customer-facing and data-intensive environments. Strong background in backend architecture, API design, integrations, and operational reliability across both C#/ .NET and Python ecosystems.

Experienced in taking products and systems from ambiguous requirements through production delivery, iteration and long-term ownership. Recent work includes integrating machine learning into operational workflows, building data pipelines, and delivering prediction services through APIs used daily by non-technical teams.

Comfortable working end-to-end across architecture, implementation, deployment, with a strong focus on maintainability, performance and real-world usability.

## CORE SKILLS

- **Languages:** C#, Python
- **Backend:** .NET Core, ASP.NET MVC, FastAPI, Django, GraphQL, Node.js
- **Frontend:** Vue.js, TypeScript, Angular, React
- **Data & Observability:** Elasticsearch, Kibana, Loki
- **Databases:** SQL, PostgreSQL, SQLite, MySQL
- **Cloud & DevOps:** Azure, Docker, CI/CD (TeamCity, Octopus, Azure DevOps)

## EXPERIENCE

11/2022 - Current **Senior Software Developer, Tredz Ltd.**

- Deliver backend and full-stack solutions across modern and legacy platforms using .NET, GraphQL, Vue.js, and TypeScript in high-volume operational and customer-facing environments.
- Designed and built data processing and prediction services using Python, FastAPI, and Django, including validation, cleansing, and feature preparation for inconsistent historical datasets used in operational workflows.
- Took ownership of a complex bike build-time estimation problem and delivered a machine-learning solution integrated into day-to-day warehouse operations, reducing manual overrides and improving estimate consistency for operational teams.
- Designed and optimised backend services and APIs supporting warehouse and web workflows, balancing scalability, latency, reliability, and operational complexity across heavy integration systems.
- Mentored junior developers through code reviews, pair programming, and guidance on backend design, debugging and engineering best practices.

- Owned CI/CD and deployment practices with a strong focus on safe releases, rollback strategies, operational visibility and deployment reliability.
- Introduced structured logging, monitoring dashboards, and observability tooling using Elasticsearch, significantly reducing production issue investigation time and improving visibility across critical systems.
- Improved reliability and responsiveness of event-driven workflows using RabbitMQ through retry handling, idempotency safeguards, and failure recovery patterns for high-volume operational processes.

**Tech:** C#, .NET Core, Vue.js, TypeScript, Python

07/2020 - 10/2022 **Senior Software Developer, Questgates Ltd.**

- Led backend modernisation efforts, migrating legacy VB .NET Framework services to .NET Core and improving long-term maintainability.
- Delivered REST APIs for claim automation and third-party integrations, significantly reducing manual processing overhead.
- Worked closely with business stakeholders to shape requirements and align technical delivery with product priorities.
- Strengthened engineering practices by introducing consistent unit testing and improving CI/CD workflows.

**Tech Stack:** .NET Core, C#, SQL Server

07/2015 - 06/2020 **Web Developer, Kite Packaging**

- Delivered web applications using Angular, .NET Core, and MVC for customer and admin portals.
- Performed UX testing using Selenium and BrowserStack to validate design and performance across browsers.
- Partnered with designers and QA to enhance usability and accessibility, driving 20% higher customer satisfaction.

**Tech Stack:** Angular, .NET Core, MVC, SQL Server

## PORTFOLIOS AND PROFILES

[linkedin.com/in/aires-neto-2750b2b0](https://www.linkedin.com/in/aires-neto-2750b2b0)

<https://aneto-dev.github.io/aires-portfolio/>

## EDUCATION

Jan 2014

**B.Sc., Software Engineering**  
**Nottingham Trent University** (2:1)

## CERTIFICATIONS

- Microsoft Certified: Azure Developer Associate, Microsoft - 2022
- Microsoft Certified: DevOps Engineer Expert, Microsoft - 2023