

# DIOMIDIS ANADIOTIS

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## PROFESSIONAL SUMMARY

Customer-focused software engineer with proven expertise in technical initiatives to deliver robust, scalable and maintainable enterprise systems at Europe's largest independent automotive company. Specialised in architecting event-driven microservices using C#/.NET Core, CQRS patterns, and Azure cloud technologies. Demonstrated success in co-leading cross functional team efforts and mentoring engineers with excellent interpersonal and communication skills while delivering high-quality software at scale-managing complex product catalogs. Strong background in building omnichannel fullstack customer experiences. Experience includes legacy systems modernisation into modern cloud-native architectures while maintaining availability for mission-critical customer, internal and integration applications.

## TECHNICAL EXPERTISE

.NET & .NET Framework  
Azure Service Bus  
Event-Driven Microservices  
Domain-Driven Design

CQRS with MediatR  
Docker/Kubernetes  
SQL Server/Redis  
RESTful APIs/GraphQL

React.js/TypeScript  
TDD/Cypress Testing  
MassTransit Messaging  
Data Analysis & Interpretation

## EXPERIENCE

### Arnold Clark

Senior Software Engineer

London, UK –Remote

Jan 2025–Now

- Co-led complete modernisation of customer-facing booking platform serving 220k monthly active users that improved customer journey conversion by 17%, directly contributing to £15M+ in annual digital revenue growth.
- Complete ownership of availability feature showing real-time appointment slots based on product catalog availability, reducing customer friction by 35-50% (page bounces) and increasing bookings by 18.5% (3k additional bookings in 6 weeks). Improved conversion rate by a further 7% through data-driven UX optimization, eliminating multi-step navigation frustration while maintaining sub-second response times at scale.
- Designed and implemented event-driven microservices using CQRS with MediatR, .NET Core 8, and Azure Service Bus, handling 50,000+ daily transactions with heavy background processing. Established distributed caching with Redis and implemented auto-scaling strategies in Kubernetes to handle peak loads.
- Contributed heavily in real-time inventory synchronization system managing 10k products across 200+ locations, processing updates within milliseconds. Refactored legacy product and service branch availability engine with event-sourced (migrating from EventStore to Service Bus) ensuring accurate availability levels across web, mobile, and in-store channels.
- Mentored junior engineers in SOLID principles, TDD practices, refactoring, green field development and cloud architecture patterns. Collaborated directly with product owners, UX designers, QA and business stakeholders.

Software Engineer

Dec 2021–Jan 2025

- Proposed, designed, and migrated third-party integration from resource-intensive database jobs to a high-performance event processing application, replacing legacy stored procedures and achieving 5x faster processing of millions of records while introducing comprehensive auditing capabilities; implemented using Hangfire for job scheduling, MassTransit for messaging, and a configuration-driven architecture supporting both direct database operations and service bus integration with enterprise-grade error handling and concurrent execution prevention
- Designed and developed RESTful APIs serving React frontends and internal department-wide applications, implementing layered architecture with clean separation of concerns; built reusable component libraries and maintained comprehensive API documentation using Swagger/OpenAPI specifications
- Designed and optimized SQL Server schemas and implemented persistence-based solutions for unstructured availability and product data types. Created efficient indexing strategies and query optimization reducing database response times by 60% in some cases.

- Developed comprehensive test suites using NUnit and Cypress for end-to-end testing. Implemented automated testing strategies with TestContainers ensuring code quality across 20+ microservices and legacy codebases. Practiced test-first development approach from business requirements through to production code, whenever possible.
- Worked closely with UX/UI teams, product managers, and business stakeholders to deliver small and medium-sized features. Dived into legacy codebases and located refactoring opportunities. Participated in regular Tech Development days, hackathons, and knowledge-sharing sessions to drive engineering excellence.

*Systems Analyst**Dec 2017–Dec 2019*

- Analyzed and modeled complex business domains, translating requirements into technical specifications. Worked with aftersales development team to understand product lifecycle management and customer journey optimization opportunities.

**City Unity College**

Athens, Greece

*Research Assistant in Cognitive Computing**Jan 2015–Sep 2015*

- Developed cognitive research software focusing on the Euclidean Travelling Salesman Problem utilizing Eyetrabe eye tracker for real-time cognitive process capture. Conducted selective attention experiments and analyzed data using R and RStudio, creating visualizations and models for cognitive insights in an interdisciplinary research environment.

*IT Systems Engineer**Feb 2012–Jan 2015*

- Managed cloud infrastructure and automated deployment processes using PowerShell and Bash scripting. Administered Windows/Linux servers and SQL Server environments supporting high-availability applications.

**EDUCATION**

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**University of Glasgow**

Glasgow, UK

*MSc in Information Technology**Sep 2016–Sep 2017*

Core modules: Advanced Programming, Software Engineering, Cloud Computing, Algorithms & Data Structures, Agile Project Management

**City University of Seattle**

Seattle, USA

*BSc in Information Systems - Systems Engineering (ABET Accredited)**Sep 2011–Jun 2016*

Relevant modules include computer science, statistical computing, network communications, operating systems, web design and cloud computing, data analytics and IT compliance

**TECHNICAL SKILLS**

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**Languages & Backend Frameworks:** C#, .NET Core 6/8, .NET Framework, .NET Standard, R

**Frontend & Web Technologies:** React.js, TypeScript, JavaScript (ES6+), Redux, Next.js, HTML5, CSS3

**Architecture & Design Patterns:** Microservices, CQRS, Event Sourcing, Domain-Driven Design, Event-Driven Architecture

**Azure Cloud Services:** Functions, Service Bus, App Services, Application Insights, DevOps Pipelines

**Data Storage:** SQL Server, MySQL, RavenDB, EventStore, Redis, EF

**Messaging & APIs:** Azure Service Bus, MassTransit, RabbitMQ, Kafka, RESTful APIs, GraphQL, gRPC

**DevOps & Infrastructure:** Docker, Kubernetes, Terraform, CI/CD (Jenkins for on-prem, Azure DevOps), GitHub Actions

**Testing & Quality Assurance:** TDD, Unit/Integration Testing, Cypress, Performance Testing

**Monitoring & Observability:** New Relic, Application Insights, ELK Stack, Distributed Tracing

**VOLUNTEERING**

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Served as openSUSE Project Advocate (2010-2014) promoting Linux distribution across Greece and Europe through translation, documentation, and bug fixing; volunteered at FOSDEM (2011-2014) and hosted Novell SUSE booth at LinuxCon Europe 2012 conference, contributing to open-source community engagement and technical evangelism