

Carmine Esposito

Enterprise & Data Architecture Leader

Target: Enterprise Architect / Data Architecture Lead in eCommerce contexts

Caserta (Italy) · info@espositocarmine.it · linkedin.com/in/espositocarmine · Italian nationality

· Driving licence B



PROFILE

Technical leader and enterprise architect with more than 20 years of IT experience and over 15 years designing and evolving eCommerce platforms, cloud environments and highly integrated digital systems. In recent years I have led architecture rationalization, cloud modernization and data-driven transformation initiatives, focused on Data Fabric, Decision Intelligence, advanced BI, operational automation and FinOps. My distinctive positioning is the ability to connect strategy, architecture and delivery: from reading operational bottlenecks to designing platforms, standards, interface agreements and governance processes that reduce complexity, TCO and dependence on manual intervention.

20+

Years in IT ecosystems

15+

Years on eCommerce and omnichannel

99.9%

Uptime on GCP / GKE / AWS services

-40%

Optimized cloud resources

KEY SKILLS

Enterprise Architecture

Backend Platform Development

Decision Intelligence

Google Cloud

GKE

BigQuery

System Integration

eCommerce

FinOps

PROFESSIONAL EXPERIENCE

Head of Data & Architecture

FiloBlu | Apr 2022 - Present

International business accelerator and eCommerce agency.

- Led the evolution toward integrated Enterprise Architecture models: Front Office, Middleware, Back Office, Data Governance and Infrastructure.
- Transformed passive Business Intelligence into Decision Intelligence: shared KPIs, automations, predictive analysis and operational signals.
- Designed Data Fabric and Modern Data Stack architectures to centralize heterogeneous sources and improve data quality, integrity and observability.
- Prepared AI-ready foundations: semantic layer, data quality dashboards, measurable processes and AI-assisted workflows.
- Evolved middleware toward iPaaS models and reusable integration layers: connectors, API gateway, standardized patterns and security.
- Governed architectural roadmaps and migration plans to reduce redundancies, costs, technical debt and dependence on manual processes.
- Coordinated PMO, solution architects, technical teams and business units, translating processes into standards, backlogs and measurable deliverables.

Head of Back-End Development / Senior Back-End Developer

FiloBlu | Apr 2015 - Mar 2022

- Back-end team leadership: developer coordination, coding standards, code reviews and technical growth of the team.
- Developed Magento eCommerce platforms and custom back-end applications and middleware, from analysis to production release.
- Evolved architectures on Google Cloud Platform: GKE, Cloud Run, Pub/Sub, BigQuery, API Gateway, monitoring, logging and CI/CD.
- Designed microservices patterns, asynchronous messaging, dead-letter queues, retry logic, APIs and connectors for ERP, OMS, WMS, CRM and sales platforms.
- Data integration and orchestration with Talend to sync catalogs, orders and flows between eCommerce and enterprise systems.
- Migrated toward containerized architectures: API response time up to 10x faster, 99.9% uptime, 40% cloud resource optimization.
- Built CI/CD pipelines, artifact management, Helm charts, deployment automation, container security and SRE practices.
- Provided technical mentoring, architecture reviews and public speaking on eCommerce architectures based on Google Kubernetes Engine.

Technical Analyst & Project Leader

Triboo Digitale | 2013 - 2015

- Project leadership and development of Magento eCommerce platforms in full outsourcing, with team coordination, technical analysis and data integration.
- Gathered requirements, performed technical analysis and coordinated delivery across development, business and project stakeholders.
- Managed eCommerce integrations with external systems, catalogs and order flows, including Talend data pipelines.
- Consolidated the transition from senior developer to a bridge role between technology, project and client.

Senior Back-End Developer

Nascar S.r.l. | 2012 - 2013

- Developed eCommerce platforms and corporate websites with LAMP, Magento, Joomla CMS and PHP frameworks.
- Back-end development on Magento, Joomla CMS and LAMP stack with focus on performance, maintainability and integrations.
- Built custom back-end applications on commission, application components, customizations and data flows for web and commerce projects.

Senior Web Developer

EasyWeb | 2009 - 2011

- Developed custom management platforms, web architectures and application integrations.
- Developed core functionality for bespoke management platforms and related operational tools.
- Designed databases, back-end components and operational integrations in highly customized web contexts.

Team Manager / Developer

Soluzioni Globali S.r.l. | 2007 - 2009

- Analyzed and developed web platforms on LAMP/Servlet environments, ZKoss framework and Cisco networking skills.
- Coordinated small teams and directly contributed to analysis, development and release.
- Developed on LAMP/Servlet environments and strengthened a systemic view across applications, network and infrastructure.

Junior Developer / Hardware Management

Freelance & early roles | 1998 - 2007

- Management software development, databases, Visual Basic, C++, MS SQL, SQLite, hardware/software configuration and technical support.
- Built technical foundations in software development, databases, troubleshooting and infrastructure support.
- Gained direct experience with users, business processes and real operating constraints, later useful in architectural growth.

TECHNICAL, ARCHITECTURAL AND MANAGERIAL SKILLS

Enterprise Architecture & Governance

AS-IS / TO-BE, application rationalization, architecture vision, capability mapping, Business / Application / Data / Technology domains, requirements management, transition roadmap, deprecation roadmap, architecture principles, interface agreement, architecture repository, governance review, ADR / decision log, cross-team governance, technical debt control.

Data, BI & Decision Intelligence

Data Fabric, Modern Data Stack, Data Governance, Data Quality & Integrity, Data Warehouse / Data Mart, semantic layer, executive dashboard, predictive analytics, KPI & ROI.

AI-ready Platforms & Operations

AI-ready architecture, AI-assisted operations, data products, data observability, Responsible AI readiness, workflow automation, human-in-the-loop processes, evaluation mindset.

Cloud Architecture, DevOps & SRE

Google Cloud Platform, GKE, Cloud Run, Pub/Sub, BigQuery, API Gateway, Cloud SQL & Storage, Monitoring / Logging, Anthos Service Mesh, CI/CD, Helm, Spinnaker, Artifact Registry, container security, AWS (multi-cloud).

System Integration & Middleware

iPaaS, API gateway, reusable connectors, ERP / OMS / WMS / CRM / PIM, synchronous messaging, asynchronous messaging, event-driven architecture, Talend, Airflow, Airbyte, Meltano, Dataform.

Software Engineering & eCommerce

Magento, Shopify, Salesforce Commerce, headless storefront, PHP, Python, Node.js, Java, C++, JavaScript, Zend Framework, ZKoss, REST / SOAP, microservices, serverless.

Databases, Search & Performance

BigQuery, PostgreSQL, MySQL, MariaDB, MongoDB, MS SQL, SQLite, Solr, data modeling, performance tuning, partitioning.

Delivery, FinOps & Stakeholder Management

Team leadership, stakeholder management, change management, PMO / SA coordination, prioritization, mentoring, technical communication, FinOps, DevOps, outcome orientation.

Leadership

Strategic IT vision, systemic problem solving, technical leadership, public speaking, change management, data-driven mindset, translation between business and technology.

PORTFOLIO AND REPRESENTATIVE IMPACT

Cloud-native modernization of an eCommerce platform

Evolution of back-end services and enterprise integrations towards containerized architectures on Google Cloud.

- Designed GKE, Cloud Run, Pub/Sub, API Gateway, monitoring, logging and CI/CD patterns.
- Standardized deployment, retry, dead-letter queue, security and observability practices.
- Impact: APIs up to 10x faster, 99.9% uptime, cloud resources -40%.

Data Fabric and executive dashboards for operational decisions

Centralization of heterogeneous sources and development of dashboards for data quality, sales performance and anomalies.

- Defined semantic layer, KPIs, integrity checks and decision views for business units.
- Moved from passive reporting to systems that highlight priorities and possible actions.
- Impact: visible data quality, shared KPIs, faster decisions.

Reusable integration layer for omnichannel ecosystems

Rationalization of middleware, APIs and connectors across front office, back office and management systems.

- Integration patterns for ERP, OMS, WMS, CRM, PIM and sales touchpoints.
- Interface agreements, cross-team governance and roadmap for deprecating redundancies.
- Impact: reusable patterns, fewer redundancies, cross-team governance.

EDUCATION

Scientific High School Diploma — Liceo Scientifico F. Brunelleschi, Afragola (NA), 1997/1998

CERTIFICATIONS AND COURSES

- Cisco CCNA 640-801, Consorzio Clara - Università Federico II, Naples
- Web Developer - PHP, J2ME, MySQL, C.I.D.E., Naples
- Agile Software Development, Triboo Digitale

LANGUAGES

Italian: native. **English:** spoken basic/beginner; written intermediate, with technical documentation reading.

CONTINUOUS LEARNING AND TECHNICAL INTERESTS

- Cloud architecture, platform engineering and SRE practices.
- Data governance, modern data stack, semantic layer and data observability.

- AI-assisted operations, workflow automation and human-in-the-loop operating models.
- FinOps, delivery governance and technical debt reduction.
- Technical interests: music and electronics, hardware prototyping, embedded / Arduino programming.

REFERENCES

References available upon request.