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Senior Software Engineer and Solution Architect with an extensive track record of delivering high-performance Enterprise e-commerce ecosystems. Proven expertise in orchestrating zero-downtime migrations to Cloud environments and optimizing high-load platforms for global markets. I bridge the gap between complex business requirements and scalable technical solutions, leading cross-functional teams to reduce infrastructure overhead and accelerate time-to-market.

Career Summary

Adobe Certified Expert & Engineering Lead with 15+ years of experience building, scaling, and optimizing enterprise-grade e-commerce ecosystems and cloud infrastructures.

- *Platform Expertise:* Deep specialization in Adobe Commerce (Magento 2 Enterprise, Magento Commerce Cloud, and B2B editions), driving high-performance solutions for global markets.
- *Engineering Leadership:* 5+ years of experience as a Team Lead, Backend Lead, and Squad Lead. Proven ability to mentor cross-functional teams (up to 10 engineers), streamline CI/CD pipelines, and establish secure, predictable release cycles.
- *Enterprise Architecture:* Extensive experience bridging complex business logic with technical execution across Retail, Healthcare, Fashion, and Utilities domains. Expert in headless architectures (GraphQL/REST) and heavy enterprise integrations (Salesforce, NetSuite, Adobe Experience Manager, Celigo iPaaS).
- *Core Technology Stack:* Deep technical roots in PHP, MySQL, Elasticsearch/OpenSearch, Redis, Varnish, and advanced system administration (Linux, AWS cloud infrastructure).

Summary of Qualifications

- *E-commerce & Platforms:* Adobe Commerce (Magento 2 Enterprise/B2B), Adobe Commerce Cloud
- *Languages & APIs:* PHP, GraphQL, REST API
- *Databases & Search Engines:* MySQL/MariaDB, Elasticsearch, OpenSearch, Redis, Valkey
- *Cloud & Infrastructure:* AWS, Google Cloud (GCP), Docker, Podman, Rancher, Nginx, Apache
- *Caching & Edge:* Varnish, Fastly, Section.io, Cloudflare
- *CI/CD & Version Control:* TeamCity, GitHub, GitLab
- *Monitoring & Profiling:* New Relic, Graylog, Zabbix, Xdebug
- *AI-Assisted Development:* Google Antigravity, Cursor, Local LLMs (Ollama), Prompting & Code Generation (Gemini, Claude, OSS GPT)
- *IDE & Development Tools:* PhpStorm, VS Code, Postman, DBeaver

Career History

Team Lead & Back-End Lead Engineer - Globant Commerce Studio

May 2026 - June 2026 (short-term project)

Project description: The Sussan Group - Enterprise e-commerce ecosystem for leading Australian women's fashion retailers (Sussan, Sportsgirl, and Suzanne Grae) based on Adobe Commerce Cloud.

Responsibilities:

- Led backend operations and architectural improvements for three distinct high-traffic e-commerce storefronts operating on the Adobe Commerce Cloud platform.
- Orchestrated a massive catalog refactoring initiative, seamlessly restructuring over 200,000+ products, which drastically reduced database load and optimized overall site speed.
- Engineered a complex enhancement for the native Visual Merchandiser, implementing custom logic to dynamically build product display conditions based on 'special price' attributes within configurable products.
- Conducted comprehensive code audits to identify and cleanly deprecate legacy third-party modules, actively reducing technical debt and application footprint.
- Spearheaded continuous codebase optimization, performing extensive refactoring, resolving legacy system bugs, and implementing numerous performance-focused enhancements.
- Collaborated closely with stakeholders and cross-functional teams to ensure smooth deployment of updates and maintain high system availability during peak retail seasons.

Achievements:

- Successfully executed the restructuring of a 200K+ product catalog, leading to a measurable increase in page load speeds and backend processing efficiency.
- Empowered the business and marketing teams with advanced merchandising capabilities, significantly streamlining their daily catalog management workflows.
- Noticeably improved the overall codebase health, security, and maintainability by successfully purging redundant legacy code and optimizing core backend processes.

Tools & technologies used: Adobe Commerce Cloud, Magento 2, PHP, MySQL/MariaDB, Redis, OpenSearch, Git, Jira, Confluence.

Lead Software Developer - Globant Commerce Studio

May 2024 - April 2026

Project description: Saudi Entertainment Ventures (SEVEN) - Complex amusement park ticketing system based on Magento 2 platform and Enterprise Ticketing Systems.

Responsibilities:

- Designed and implemented Magento 2 & GraphQL components and integration workflows for a complex multi-service amusement park ticketing system.
- Managed database architecture: designed new database schemas, altered existing table structures (Declarative Schema / Setup Scripts), and ensured optimal data storage for high-load ticketing operations.
- Built and supported robust API integrations with external third-party services, primarily focusing on the Electronic Ticketing Service (ETS) to ensure seamless data synchronization.
- Created, customized, and optimized complex GraphQL mutations and queries tailored for the Backend for Frontend (BFF) architecture.
- Collaborated closely with the BFF team, modifying and structuring GraphQL responses into highly usable and standardized formats for seamless frontend consumption.
- Investigated system bottlenecks and successfully resolved a critical disk subsystem performance issue, which resulted in a more than 10x speed increase in processing specific high-load mutations.
- Ensured high platform security by continuously monitoring vulnerabilities, analyzing, and successfully applying critical Magento security patches to the code base.
- Proactively identified core Magento Framework bugs during development and prepared custom patches/fixes to ensure system stability prior to official vendor releases.
- Conducted Functional Walk-Through (FWT) sessions to validate feature completeness, business logic, and overall system behavior.
- Performed regular peer code reviews to enforce coding standards, maintain high code quality, and prevent potential architectural flaws.
- Created and maintained comprehensive technical documentation covering developed modules, API endpoints, database structures, and integration workflows.

Achievements:

- Successfully delivered a high-performance, scalable ticketing system capable of processing complex transactions across a distributed multi-node architecture.
- Drastically improved system response times (by over 10 times) for key operations by identifying and resolving deep-level disk I/O bottlenecks.
- Established highly effective cross-team communication channels (QA, Frontend, BFF, external vendors) that significantly accelerated the delivery of complex features.

Tools & technologies used: Magento 2, PHP, GraphQL, MySQL/MariaDB, Redis, OpenSearch, ETS (Electronic Ticketing Service), VGS (Virtual Guest Services), BFF (Backend For Frontend in NestJS, NodeJS), Git, Linux, Docker, Postman, Jira, Confluence, Google Cloud, Grafana (Log management).

Team Lead & Back-End Lead Engineer - Globant Commerce Studio

September 2023 - May 2024

Project description: British American Tobacco (BAT) – Enterprise e-commerce solutions for the Japan and Korean markets based on Adobe Commerce Cloud.

Responsibilities:

- Directed backend development operations as Team Lead and Lead Backend Engineer, successfully managing, mentoring, and coordinating a team of 10 backend developers.
- Orchestrated a large-scale, critical infrastructure migration of the existing enterprise platform from a legacy cluster of 10+ AWS servers to the modern Adobe Commerce Cloud (PaaS) environment.
- Led the end-to-end technical delivery and successful launch of a new e-commerce storefront specifically localized for the South Korean market, overseeing the initial architecture, Magento installation, and core configuration.
- Spearheaded complex platform upgrades to the latest major Adobe Commerce version, ensuring a seamless transition and proactively applying critical security patches to maintain system integrity.
- Drove the continuous improvement of the project codebase by aggressively refactoring, optimizing, and upgrading custom and third-party modules to align with Adobe Commerce best practices.
- Designed and implemented highly customized GraphQL and REST API endpoints to support complex frontend requirements and headless integrations.
- Engineered a seamless integration between Adobe Commerce and Adobe Experience Manager (AEM) to bridge robust e-commerce capabilities with enterprise content management.
- Developed stable integrations with region-specific third-party services, including the Kakao social network ecosystem and the Danal payment gateway, ensuring secure and localized transaction flows.
- Designed and implemented comprehensive Role-Based Access Control (RBAC) and granular permission schemes across the platform to ensure data security and corporate compliance.
- Managed the entire release lifecycle using Azure DevOps (ADO), coordinating deployments across environments and ensuring smooth, predictable production releases.
- Authored and maintained comprehensive architectural, API, and technical documentation to streamline onboarding and support cross-functional alignment.

Achievements:

- Successfully executed a high-stakes, zero-data-loss migration to Adobe Commerce Cloud, significantly reducing infrastructure maintenance overhead.
- Expanded the brand's global digital footprint by architecting and launching the South Korean market storefront on schedule and meeting all business requirements.
- Built and maintained a high-performing engineering culture within a 10-person backend team, significantly improving code quality and delivery predictability.

Tools & technologies used: Adobe Commerce (Magento Enterprise), Magento Commerce Cloud, Adobe Experience Manager (AEM), PHP, GraphQL, REST API, MySQL, Fastly, Redis, OpenSearch, AWS, Azure DevOps (ADO), Git, Danal Payment API, Kakao API.

Team Lead & Back-End Lead Engineer - Globant Commerce Studio (ex. eWave Commerce)
March 2022 - August 2023

Project description: British American Tobacco (BAT) – Massive enterprise e-commerce expansion and secure localized rollouts for the Asia Pacific, Middle East, Africa-South, and Malaysian markets based on Adobe Commerce.

Responsibilities:

- Spearheaded backend development initiatives as Team Lead and Squad Lead for a massive, multi-region enterprise rollout, steering the technical delivery for diverse localized markets.
- Mentored and managed a high-performing team of 7 backend engineers, driving performance through structured 1-on-1 feedback, personalized career growth planning, and proactive blocker resolution.
- Architected and provisioned new AWS web server infrastructures, executing core Adobe Commerce installations, multi-region configurations, and strict localized setups (e.g., the Malaysian market).
- Fortified overall platform security by designing and deploying a strict IP whitelisting system (protecting storefronts and back-office) and establishing comprehensive Role-Based Access Control (RBAC) schemes tailored to varying regional compliance needs.
- Engineered heavily customized REST API and GraphQL endpoints to power headless architectures, extending core platform capabilities by implementing complex custom attributes across various entity types.
- Designed and developed robust, secure integrations between Adobe Commerce and critical enterprise systems, including Adobe Experience Manager (AEM) for content, HubSpot for CRM, and the proprietary 1-2-1 Application.
- Directed the installation, aggressive refactoring, and upgrading of custom modules to ensure maximum platform stability and adherence to enterprise coding standards.
- Orchestrated the CI/CD pipeline using TeamCity, taking full responsibility for release preparation, staging validation, and seamless production deployments across multiple environments.
- Authored and maintained exhaustive technical documentation covering server configurations, customized API architectures, integration flows, and security protocols.

Achievements:

- Successfully delivered and scaled secure, high-performance e-commerce architectures across highly complex and diverse enterprise markets (APME, Africa-South, Malaysia).
- Significantly enhanced the platform's security posture and streamlined CI/CD deployment pipelines, ensuring highly reliable and predictable release cycles.
- Cultivated a high-performing backend squad, boosting team velocity and maintaining high morale during fast-paced, critical rollout phases.

Tools & technologies used: Adobe Commerce, Adobe Experience Manager (AEM), PHP, GraphQL, REST API, MySQL, Varnish (Section.io), Redis, Elasticsearch, AWS, HubSpot API, 1-2-1 Application, TeamCity (CI/CD), Git, Linux.

Team Lead & Back-End Lead Engineer - Globant Commerce Studio (ex. eWave Commerce)
December 2021 - December 2022

Project description: SomnoMed – Complex B2B Adobe Commerce platform enabling medical institutions and practitioners to manage personnel, patients, and seamlessly order highly customized medical devices.

Responsibilities:

- Directed cross-functional engineering operations as Team Lead and Backend Lead, successfully managing, coordinating, and mentoring a multidisciplinary team of Backend, Frontend developers, and QA engineers.
- Architected and developed highly specialized Magento modules tailored for the healthcare sector, facilitating intricate workflows for clinic management, patient tracking, and dynamic customization of medical device orders.
- Leveraged native Adobe Commerce B2B capabilities to design and implement highly granular corporate account structures, including complex Role-Based Access Control (RBAC) and multi-tier permission schemes for medical staff.
- Designed and engineered robust, secure API integrations linking Adobe Commerce with mission-critical enterprise systems: Salesforce (CRM), NetSuite (ERP), and StratoKey (Security/Encryption).
- Utilized Integrator.io (Celigo) as an enterprise middleware iPaaS solution to establish reliable, automated data orchestration and synchronization between Magento and external ERP/CRM systems.
- Actively participated in Agile planning, feature estimations, and resource allocation, collaborating closely with key business stakeholders to align technical deliverables with strategic business objectives.
- Configured and optimized web servers and essential platform services within the AWS cloud ecosystem to ensure high availability, security, and performance.
- Enforced rigorous coding standards and maintained high software quality through active participation in core backend development and comprehensive peer code reviews.
- Managed critical production deployments, taking full ownership of the preparation, testing, and seamless delivery of urgent hotfix releases via TeamCity.

Achievements:

- Successfully delivered a specialized, high-security B2B medical e-commerce platform that optimized how doctors manage patients and order custom medical devices.
- Established fault-tolerant middleware integrations using Celigo Integrator.io, ensuring real-time, error-free data synchronization between Magento, Salesforce, and NetSuite.
- Fostered a highly effective cross-functional delivery pipeline, bridging the gap between business stakeholders, QA, and multi-stack developers.

Tools & technologies used: Adobe Commerce (B2B Edition), PHP, REST/GraphQL APIs, MySQL, Integrator.io (Celigo iPaaS), Salesforce API, NetSuite ERP, StratoKey, Varnish (Section.io), Redis, Elasticsearch, AWS, TeamCity (CI/CD), Git, Linux.

MSS Senior Magento Back-End Engineer - eWave Commerce

April 2019 - Apr 2021

Project description: Managed Support Services (MSS) – Technical support, maintenance, and ongoing development for a vast portfolio of top-tier global enterprise e-commerce brands, including Vans, Timberland, Dr. Martens, Skechers, The Athlete's Foot, Converse, BAT, and others, based on Magento 2 EE / Adobe Commerce Cloud.

Responsibilities:

- Acted as Senior Backend Engineer and Team Lead 2IC (Second-in-Charge), overseeing backend development, QA processes, and delivery workflows across multiple high-profile enterprise client portfolios.
- Served as a key escalation point within a 24/7 production support rotation, aggressively investigating, diagnosing, and resolving critical Priority 1 (P1) incidents on high-traffic production environments.
- Continuously monitored security advisories, analyzed vulnerability reports, and executed the secure deployment of critical Magento security patches across numerous client instances.
- Took full ownership of emergency hotfix release cycles, resolving complex architectural bugs and upgrading custom/third-party modules to maintain absolute platform stability.
- Architected and implemented advanced infrastructure monitoring by writing custom configurations and alert scripts for New Relic, Graylog, and Zabbix to ensure proactive anomaly detection.
- Authored and standardized operational policies, CI/CD workflows, and infrastructure guidelines, aligning cross-functional teams including Developers, QA, and L1/L2 Support Engineers.
- Created and maintained comprehensive infrastructure diagrams, project wikis, and technical documentation for rapid onboarding and incident response.
- Actively mentored junior and mid-level engineers, providing deep technical guidance, assisting with complex blockers, and driving their professional development within the MSS department.

Achievements:

- Consistently received formal recognition and gratitude from major enterprise clients for the rapid and effective resolution of critical P1 production outages, successfully minimizing financial impact and downtime.
- Streamlined the department's incident management and development pipelines by standardizing MSS policies and monitoring protocols across multiple cross-functional teams.

Tools & technologies used: Magento 2 Commerce (EE), Adobe Commerce, Magento Commerce Cloud, PHP, Nginx, MySQL, Varnish (Section.io), Cloudflare, Redis, AWS, New Relic, Graylog, Zabbix, SLI Search, TeamCity (CI/CD), Bitbucket, GitHub, Linux.

Certifications

- Adobe Certified Expert - Adobe Commerce Developer
- Adobe Certified Expert - Adobe Commerce Front End Developer
- Adobe Certified Expert - Adobe Commerce Business Practitioner
- Adobe Certified Expert - Adobe Commerce Sales Accreditation
- Magento 2 Certified Professional Developer
- Magento 2 Certified Professional Front End Developer

Languages

- English
- Italian
- Ukrainian

Education

- C.P.I.A. 1 ALESSANDRIA "Maestro Alberto Manzi" (Italy)
Lingua Seconda - Livello A2 del QCER
Sep 2025 – Mar 2026
- ITSTEP Computer Academy (Ukraine)
Computer Science - Software Development
May 2006 – May 2007
- National Mining University (Ukraine)
Department of Economics and Management - Economic Cybernetics
May 2001 – May 2005