

Constantin Cosuleanu

Senior Software Engineer / Technical Lead / Security-minded Platform Engineer

Romania | Remote-first / EU collaboration | amaranthria.com | linkedin.com/in/constantin-cosuleanu-72879819

Professional profile

Senior full-stack and platform engineer with 20+ years of practical software delivery experience. I build, integrate and stabilise production systems across backend platforms, enterprise integrations, cloud infrastructure, commerce operations, automation and data flows - from requirements and architecture to hands-on implementation, deployment and support.

Security is part of my delivery mindset: secure API design, auth and authorization boundaries, input validation, dependency hygiene, secrets/configuration handling, automated quality gates, testing, observability and security-focused code review. I also use AI and AI agents pragmatically to accelerate delivery while keeping ownership of architecture, security, maintainability and production quality.

Target role alignment - Platform engineering with Application Security focus

- TypeScript, Node.js, REST APIs, React and SQL background, with strong PHP/Laravel/Symfony experience and ability to adapt across backend ecosystems.
- Cloud-native production work with AWS, Docker, Kubernetes, Helm, RDS, Lambda, EventBridge, GitLab CI, Nginx/HAProxy, logging and monitoring.
- Secure SDLC habits: OWASP-informed code review, threat-aware planning, validation and error-handling checks, authentication/authorization review, regression prevention and test automation.
- Pipeline and release-quality mindset: unit, integration and E2E tests, linting/static checks, dependency hygiene, deployable/rollbackable releases and operational safeguards.
- AI power-user workflow with ChatGPT, Claude, Codex, GitHub Copilot and Gemini for implementation support, review checklists, documentation, test generation and lightweight automation.

Core expertise

Application security Secure SDLC, OWASP Top 10 mindset, security-focused code review, auth/authz, RBAC, input validation, XSS/CSRF/SQL injection prevention, secrets handling, dependency hygiene, risk-aware APIs.	Cloud and infrastructure AWS, Docker, Kubernetes, Helm, RDS, CloudFront, Lambda, EventBridge, GitLab CI, Nginx, HAProxy, production troubleshooting, observability and release safety.
Backend engineering PHP, Laravel, Symfony, Zend, CodeIgniter, Node.js, Express, Restify, ActionHero, JavaScript, TypeScript, Go, SQL, REST APIs.	Data and integrations MySQL, MariaDB, PostgreSQL, MSSQL, Snowflake, Redis, Memcached, RabbitMQ, MQTT, CSV pipelines, ERP/SaaS/commerce integrations.
Frontend and tooling React, Next.js, Livewire, Maatwebsite Excel, Puppeteer, BackstopJS, Retool, Zapier, Elastic/Kibana, Metabase.	AI-assisted engineering ChatGPT, Claude, Codex, GitHub Copilot, Gemini, AI agents, code-review checks, security-review prompts, documentation, unit/integration/E2E tests.

Security-relevant delivery strengths

- Application layer: validation, authorization checks, safe error handling, auditability, idempotency, data correctness and safer bulk-processing workflows.
- Platform layer: deployment pipelines, Kubernetes/Helm-based workloads, secrets/config separation, least-privilege thinking, controlled releases and observability.
- Review and automation: practical code review, test generation, E2E coverage, AI-assisted checks and documentation that make secure delivery easier for the team.
- Business-risk mindset: I focus on the failure modes that actually hurt operations - incorrect data, exposed endpoints, unsafe imports, missing validations, fragile deployments and unclear ownership.

Employment history

Senior Software Engineer II - Westwing Home & Living

Jan 2023 - Present | Munich, Bavaria / Remote

- Implemented new functionality in supply-chain solutions and integrated them with SaaS products using Node.js, Kubernetes, AWS, PHP, Docker, React.js, MySQL, RabbitMQ, Snowflake, Retool and Zapier.
- Built and maintained integrations and operational tooling around Shopify, Fluent Commerce and Business Central/Dynamics 365 workflows.
- Worked on production systems where reliability, traceability, queue processing and data correctness directly affected business operations.
- Applied security-minded engineering practices around input validation, safe bulk operations, error handling, access-sensitive workflows, operational auditability and review of integration boundaries.

Technical Lead - Westwing Home & Living

Mar 2022 - Mar 2023 | Iasi / Remote

- Defined and proposed technical solutions, created project architecture and coordinated implementation for supply-chain systems.
- Collaborated with product managers, stakeholders and engineers to translate business requirements into robust technical designs.
- Led delivery across Node.js, React.js, Kubernetes, AWS, PHP, Docker, MySQL and RabbitMQ based systems.
- Promoted maintainable architecture, review discipline, testing, release safety and production-oriented quality standards across the team.

Freelance Developer / Technical Consultant - AmaranthRIA SRL

Ongoing | Romania / Remote-first collaboration

- Develop web applications, backend services, APIs, operational tooling and integrations for business processes requiring reliability, maintainability and clear ownership.
- Deliver automation and data-processing workflows including high-volume CSV processing, order operations, refunds, SKU mapping, validation and reporting.
- Work across infrastructure, databases, queues, web servers, observability and deployment pipelines to keep systems stable in production.
- Use AI-assisted engineering for implementation acceleration, documentation, tests, E2E coverage, code-review checklists and security-minded review prompts.

Earlier software engineering and freelance delivery

20+ years of professional software delivery

- Full-stack development and production support across PHP ecosystems, JavaScript/Node.js, SQL databases, Linux servers, integrations and custom business platforms.
- Hands-on experience with legacy modernisation, troubleshooting, performance work, deployment automation, pragmatic architecture and long-lived business applications.

Selected representative technical work

- **Secure business operations:** High-volume Shopify delay/cancel workflows, gift-card logic, partial refunds, order-item CSV tooling, validation, traceability and operational safeguards.
- **Enterprise integrations:** Data flows between SaaS/ERP/commerce platforms, queue-based processing, Redis cache strategy, reporting support, retries and data correctness controls.
- **Platform reliability:** MySQL/RDS migration work, encoding fixes, deployment troubleshooting, CI/CD collaboration, observability and production support.
- **Testing and quality:** Pragmatic test strategy with unit tests, integration tests, E2E tests, visual regression tooling, AI-assisted review checks and technical documentation.
- **Media delivery:** Video streaming workflows using JWPlayer, Wowza, CloudFront, AWS MediaConvert and FFmpeg.

Education and certifications

Universitatea "Alexandru Ioan Cuza" din Iasi Bachelor's degree, Computer Science 2005 - 2010	CKAD: Certified Kubernetes Application Developer Kubernetes application development certification
Agentia Nationala pentru Calificari Professional qualification / training listed in education history	Working style Clear communication, direct ownership, pragmatic architecture, maintainable code, security-minded delivery and remote-first collaboration.

Links: <https://amaranthria.com/> | <https://www.linkedin.com/in/constantin-cosuleanu-72879819/>