

Sony TUMEN

Lead Developer / Solution Architect - .NET, Angular, Microservices, DevSecOps, AI

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PROFILE

Lead developer and Solution Architect with 14 years of experience (public sector, banking/insurance, industry, startup). Specialized in designing application architectures (APIs, microservices), modernizing legacy software, urbanization/mapping (HOPEX/Mega), and implementing DevSecOps practices (CI/CD, quality, security). Accustomed to regulated environments and technical leadership: scoping, standards, reviews, team coaching, risk management, documentation, and architecture plans.

KEY SKILLS

- Architecture: microservices, REST APIs, integration, event-driven, DDD, patterns (SOLID, DI), C4/ADR, IS urbanization, mapping (HOPEX/Mega).
- Lead & delivery: technical scoping, estimation, coordination, mentoring, code reviews, definition of standards, and governance.
- Development: C#, .NET/.NET Core, ASP.NET (Web API/MVC/WCF), Angular, TypeScript/JavaScript, Blazor (WASM/Hybrid), .NET MAUI, TDD.
- DevSecOps/Quality: Azure DevOps/Azure Pipelines, CI/CD as code, SonarQube, unit/integration testing, quality gates, OWASP Top 10.
- Security/Cryptography: SAML2 SSO (SP/IdP), key management, AES/RSA, RSA-KEM (RFC 5990), XML signature, secure-by-design best practices.
- Data & platforms: Oracle, SQL Server, DB2, SQL, performance/volume management, Docker.
- Methods: Agile (Scrum), PM2, V-model, risk management, documentation, workshop facilitation.

PROFESSIONAL EXPERIENCE

Personal Projects - Brussels

Present

- AI-assisted development workflow: GitHub Copilot, cross-exploitation of LLMs (Claude / Gemini / ChatGPT) for generation, reviews, tests, documentation, quality gates.
- Orchestration with agents (subagents), skills, and use of MCP servers.
- SaaS for legislative documents (Blazor WASM).
- Multi-platform personal assistant (Web, Windows, Android, iOS): Blazor WASM/Hybrid + .NET MAUI, modular architecture, and component reuse.

European Economic and Social Committee (EESC) - Brussels

Angular / .NET Lead Developer | 16/02/2022 - 15/02/2026 (4 years)

- Modernization of a legacy translation workflow application (Windows) to a secure web application (Angular + .NET): scoping, architecture, and implementation.
- Design of CI/CD pipelines (Azure Pipelines) and deployment automation, implementation of checks (e.g., SonarQube) and release practices.
- Contribution to application architecture (API, integration, security) and technical governance: standards, code reviews, testing, OWASP recommendations.
- Technical leadership in a small team (4 people): prioritization, milestone delivery, continuous improvement (accessibility, UX), and run support.
- Development of a translation service using an open-source LLM, Python, and .NET.

BPCE SA - Paris

Solution Architect | 01/07/2021 - 31/01/2022 (6 months)

- Design of target architectures and architecture plans for group projects (banking) in compliance with internal standards.
- Contribution to the merge and modernization of a rating system for 80+ subsidiaries.
- IS mapping (applications, APIs, flows, databases) and updating of repositories via HOPEX/Mega, data corrections, and processes for over 400 projects.
- Security referent on projects (authentication methods, recommendations), support for the language usage strategy.
- Technology watch group on quantum programming applied to finance (Azure/Q#) and presentation for over 100 people.

BPCE SA - Paris

Lead Developer (.NET) / Coordinator | 23/07/2018 - 30/06/2021 (2 years 11 months)

- Coordination of a team of 10 developers, simultaneous management of several projects (.NET, SQL Server/Oracle) in Agile at scale.
- Implementation of DevSecOps practices: development and security standards, code reviews, testing, IS risk evaluation.
- Compliance/regulatory projects (e.g., anti-money laundering, ethics/deontology) with GDPR, performance, and robustness requirements.
- Processing high volumes (up to ~1 TB of data processed in under 10 hours, daily) and performance optimization.
- Design and development of internal tools (e.g., cyber risk evaluation) and presentations/knowledge sharing.

Itecor (mission at Locarchives) - Paris

Senior .NET Consultant | 10/10/2016 - 20/07/2018 (1 year 9 months)

- Design and development of a Web API (.NET, SQL Server) for external partners, implementation of best practices (code reviews, unit tests, build / release management).
- Management of high data volume (up to ~2 TB of documents/day) and securing of exchanges.
- Implementation of SAML2 SSO (SP and IdP) and team awareness of OWASP Top 10 risks.

SII (mission at Suez) - Paris

.NET Consultant - Cryptography | 20/07/2015 - 07/10/2016 (1 year 3 months)

- Design and development of an HSM (Hardware Security Module) simulator for key management and encryption/decryption (C#/.NET, Oracle).
- Implementation of RSA-KEM (RFC 5990) and cryptographic mechanisms (AES/RSA, XML signature), processing millions of events/day.
- Contribution to a web tool for managing issuers/receivers and implementation of CI/automated tests.

Altansia (mission at BPCE Assurances) - Paris

.NET Consultant | Work-study 60% 15/10/2012 - 28/02/2013 | 01/03/2013 - 17/07/2015 (2 years 4 months)

- Responsible for a portfolio of applications (dozens) and end-to-end realization: analysis, design, development, testing, deployment, production monitoring.
- Development of APIs/web services with strict performance constraints (up to 200,000 calls/hour, response < 500 ms) on a customer database (millions of records).
- Industrialization: implementation of GIT, graphic charter, common project core, cross-functional authentication/user management web service.
- Supervision of interns and contribution to budget/project management.

INTERNSHIPS

Leetchi.com - Paris

Software Developer Intern (.NET) | 09/05/2011 - 05/08/2011 (2 months)

- Full stack development on the platform, ticket resolution (Jira).
- Comparative study of CI/CD tools (Azure, AWS, Jenkins) and recommendations.

CNAF - Paris

JavaScript Developer Intern | 40% | 01/10/2010 - 31/03/2011 (6 months)

- Migration of a legacy intranet application (IE6) to modern browser compatibility (HTML/CSS/JS, W3C standards, Domino).

UCatchIt - Paris

C / Web Developer Intern | 15/07/2009 - 31/12/2009 (5 months)

- Optimization and evolution of a C program and frontend integration for an SEO tool.

CERTIFICATIONS

- Microsoft AZ-400 - Designing and Implementing Microsoft DevOps Solutions (2023).
- Confidential Defense Clearance 2015-2016 (France).

EDUCATION

- EPITECH – Expert in Information Technology (Master's equivalent), 2008-2013.
- Stockholm University - Academic exchange (Sweden), 2011-2012.
- Baccalauréat Scientifique (High School Diploma in Science) (France), 2008.

LANGUAGES

- French: Native language.
- English: Professional working proficiency.
- Turkish: Intermediate level.

INTERESTS

- Technology watch: Architecture, .NET, Security, AI, DevSecOps.
- Licenses: A (Motorcycle), B (Car).

HOBBIES:

- Motorcycling, swimming