



Mhakos Pavone

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Sr. Technical Lead & Hands-on Developer (Backend/Frontend) | Cybersecurity Expert

Senior Technical Lead and Hands-on Developer with over 22 years of experience, specializing in the convergence of robust software engineering and strategic cybersecurity. Expert in directing long-range technological transformation initiatives, from microservices architecture and legacy system modernization to the implementation of ISO 27001 standards in critical infrastructures.

Holding a Master's degree in Cybersecurity applied to systems architecture, I design solutions secured from code to deployment. I have successfully led distributed and remote teams in high-demand sectors (Banking, Healthcare, Retail, and Telecommunications), guaranteeing operational continuity and the delivery of complex projects using Agile methodologies.

Core Competencies & Technical Skills

Frontend Development: React.js, Angular, Vue.js, Next.js, Svelte, JavaScript (ES6+), HTML5, CSS3, Bootstrap, JSON, XML.

Backend Development: Node.js (Express.js), Java (Spring Boot, Struts, Hibernate, Servlets), C# / .NET Framework, Python (Django), PHP (Symfony, Laravel, CakePHP).

Cybersecurity & Governance: ISO/IEC 27001 Implementation, ISO 22301, Risk Management, PAM (Privileged Access Management), DevSecOps, OWASP Top 10 Mitigation, Internal Auditing.

Cloud & DevOps: Docker, Kubernetes, Jenkins, Azure DevOps CI/CD, Bitbucket, Visual SourceSafe, Git, GitHub Actions and Amazon (AWS) CI/CD .

Database Management: SQL Server (2008/2012 R2), PostgreSQL, MySQL, Oracle 8i, MongoDB, Apache Cassandra, Neo4j.

Legacy Integration: AS/400 (Power 8) Modernization, Extranet Integrations, Cobol/Legacy interfacing.

Methodologies: Scrum, XP (Extreme Programming), Waterfall, RAD, PDCA Cycle.

Professional Experiences

Sr. Technical Lead & Cybersecurity Consultant

February 2021 – Present

Directed strategic cybersecurity initiatives and advanced backend development, managing the implementation of international standards and microservices architecture for critical clients.

Cybersecurity Governance (ISO 27001): Directed the end-to-end planning and execution of the Information Security Management System (ISMS) implementation for Centro Médico Maracay (CMM). Mitigated critical vulnerabilities in Privileged Access Management (PAM) and obsolete firewalls, establishing the organization's first Cybersecurity Unit.

Backend Engineering & DevOps: Architected and developed containerized backend services using Java Spring Boot, Docker, and Kubernetes. Secured the CI/CD pipeline and code repositories by applying DevSecOps best practices.

Key Achievements: Successfully prepared the organization for international certification audits, strengthening business continuity and patient data protection.

Implemented RPA-based solutions that increased inventory management efficiency and shelf visibility by 20%.

Technologies: ISO/IEC 27001, Java Spring Boot, Docker, Kubernetes, Jenkins, PAM.

Company: DATATRAFFIC

Full-Stack Development Lead & Integration Specialist January 2018 – January 2021

Spearheaded the complete software development lifecycle (SDLC) for high-complexity projects within the logistics and financial sectors. Responsible for Frontend architecture, Backend development (.NET/Java), and the modernization of legacy systems.

Frontend Architecture & Cybersecurity: Personally architected and developed the main frontend application using Angular, implementing rigorous cybersecurity measures to protect against web vulnerabilities and ensure secure data transmission to the MongoDB backend.

Full-Stack Development (.NET): Led Full-Stack initiatives and supervised technical analysts, actively coding new features using C# and the .NET framework. Enforced secure coding practices and managed source code security within repositories.

Legacy Integration & Modernization: Directed the hands-on integration of modern web platforms (PHP, Java) with legacy AS/400 (Power 8) systems. Managed component virtualization and secured data channels, significantly reducing technical and operational risks.

Key Achievements: Implemented a digital tracking system that enhanced operational efficiency by 30%.

Reduced the time-to-market for new feature releases by 25% by optimizing development and testing cycles.

Reduced maintenance costs by 20% through the standardization and virtualization of the Core Project.

Technologies: Angular, C#, .NET, Java (Struts/Hibernate), PHP, AS/400, SQL Server, MongoDB.

Company: FUNDELEC (Foundation for the National Electrical System)

Senior Web Development Leader & Strategic Solutions Architect February 2012 – November 2017

Directed a comprehensive technological modernization strategy, managing high-impact projects nationwide. Led distributed teams in the architecture of critical control systems and the delivery of large-scale corporate solutions.

National System Modernization: Led the technological modernization of the Uniform System for Electricity Control and Regulation (SUCRE), strengthening the expansion of the National Electric System. Increased system efficiency by 35% and reduced downtime by 20%.

Large-Scale Service Infrastructure: Managed service structure massification projects for the telecommunications sector, achieving a 15% reduction in project costs through strict Quality Assurance and Scrum methodologies.

Financial Systems Architecture: Analyzed and defined robust architectures for pricing and commission calculation systems in the banking sector, ensuring transactional integrity.

ERP & Automation Implementation: Supervised the standardization of automation tools and ERP systems for a distributed commercial network, deploying inventory modules that reduced operational processing times by 25%.

Technologies: Python (Django), Java, PHP (Symfony/Laravel), PostgreSQL, MySQL, Cassandra, MongoDB, Neo4j, Oracle 8i.

PREVIOUS EXPERIENCE

FETRAMAGISTERIO (2004 – 2011): Systems & Development Coordinator. Ensured server security and backup policies; led software/hardware integration.

CORP BANCA / AMERICAN EXPRESS (2001 – 2002): Systems Synchronizer. Established security policies for access control and firewall parameters.

Education

Postgraduate in Cybersecurity

European Postgraduate Center

March 2022 - December 2023

Postgraduate in Systems Engineering

Simón Bolívar University

October 2015 - December 2018

University

Experimental Libertador University

February 2007 - July 2012

Languages

Spanish - Native

Level C1 (Professional Competence)

Italian - Basic