

BACHIR SOULDI

IT Application Manager | Full-Stack Developer | ERP Architect | MIS Engineer

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PROFESSIONAL SUMMARY

Results-driven IT Application Manager and Full-Stack Developer with 4+ years of experience architecting and delivering enterprise-grade ERP systems, cross-platform mobile applications, and scalable web solutions. Proven track record of leading end-to-end digital transformation: designed and built a custom ERP platform from scratch serving 200+ users across 9 business departments, managing 500,000+ transactional records. Strong command of Node.js, Vue.js, Flutter, Laravel, PostgreSQL, and Docker. Adept at bridging business operations and software engineering — translating stakeholder requirements into production-ready systems. Available for full-time remote roles and freelance engagements.

CORE COMPETENCIES

Full-Stack Development | ERP Architecture | Mobile Development (Flutter/Dart) | API Design & Integration | IT Project Management | Digital Transformation | Database Design & Optimization | System Architecture | Team Leadership | Agile / Scrum | DevOps (Docker, CI/CD) | Data Migration | Business Process Analysis | VR Development (Unity)

TECHNICAL SKILLS

Languages: JavaScript (Node.js), Dart (Flutter), PHP (Laravel), Python, Java, SQL

Frontend: Vue.js, HTML5, CSS3, Tailwind CSS, Figma (UI/UX Prototyping)

Mobile: Flutter / Dart — Android & iOS cross-platform deployment

Backend & APIs: Node.js, Express.js, Laravel, RESTful API Design, JWT, OAuth2

Databases: PostgreSQL, MySQL, MongoDB — schema design, migration, optimization

ERP / MIS: Custom ERP Development, Axelor ERP, Odoo, Business Process Mapping

DevOps & Tools: Docker, Git, GitHub, CI/CD pipelines, Linux, Postman

Other: Unity (VR/XR), Blender 3D, Oculus Quest 2, Machine Learning (basic)

PROFESSIONAL EXPERIENCE

IT Application Manager

July 2023 – Present

SOPHAL SPA | Oran, Algeria

- Oversee the full lifecycle of internal business applications — from requirements gathering and architecture through deployment, monitoring, and decommissioning — for a mid-sized pharmaceutical manufacturing company.
- Drive continuous improvement of the custom ERP platform, coordinating feature releases, bug cycles, and performance optimizations across Finance, HR, Production, and Operations.
- Manage a cross-functional technical team: define sprint goals, conduct code reviews, and enforce architectural standards to maintain system integrity at scale.
- Implement data governance policies including user roles, access control (RBAC), audit trails, and data retention standards across all enterprise systems.
- Negotiate and manage SLAs with third-party software vendors; handle license renewals and integration maintenance for connected services.
- Produce and maintain the IT technology roadmap aligned with company business strategy, presenting quarterly plans to senior leadership.
- Reduced system downtime by establishing structured deployment pipelines (Docker) and runbook documentation for the operations team.

Back-End Developer — ERP Architect

January 2022 – July 2023

SOPHAL SPA | Oran, Algeria

- Architected and delivered a fully custom ERP platform from scratch — covering Purchases, Sales, Production, Accounting, Finances, Stock, Inventory, WMS, Analytic Accounting, and Budget — replacing a legacy Gestimum system for 200+ concurrent users across 9 departments.
- Engineered a high-throughput transactional core processing 500,000+ stock movement records with full referential integrity across all modules, eliminating data inconsistencies present in the legacy system.
- Executed complete data migration from Gestimum: designed extraction scripts, cleaned and transformed 5+ years of historical records, and validated integrity post-migration with zero data loss.
- Designed RESTful APIs for inter-module communication and external integrations, documenting all endpoints with Postman collections for team use.
- Implemented JWT and OAuth2 authentication with fine-grained, role-based access control (RBAC) ensuring security compliance across all user tiers.
- Applied SOLID principles and design patterns (Factory, Repository, Strategy) to ensure maintainability, enabling the team to onboard new modules in weeks instead of months.
- Containerized the full application stack using Docker; implemented unit and integration test suites to maintain regression safety during rapid feature delivery.
- Built Flutter mobile applications extending ERP capabilities (inventory scanning, multi-level approvals, real-time reporting) deployed on Android and iOS.
- Developed immersive VR product demonstrations for pharmaceutical trade events using Unity, Blender, and Oculus Quest 2, increasing client engagement.

Full-Stack Developer

March 2021 – April 2021

Sonalgaz (State Energy Utility) | Algeria

- Designed and built a fleet management application from scratch using PHP and MySQL, covering vehicle assignments, maintenance scheduling, mission tracking, and operational reporting for the transport department.

Full-Stack Developer

July 2020 – January 2021

CibleVision | Algiers, Algeria

- Built a newsletter campaign platform from the ground up, enabling dynamic template creation, subscriber list management, and campaign scheduling — scaled to 3,000+ active subscribers.
- Developed and published a cross-platform Flutter e-commerce application on Google Play Store and Apple App Store, complete with a full-featured Laravel admin dashboard (products, orders, inventory management).

Freelance Full-Stack Engineer

March 2020 – September 2020

Independent

- Delivered custom web and mobile applications across multiple industry verticals, managing the full project lifecycle: client scoping, UX design, development, testing, deployment, and handoff.

Software Development Intern

December 2019

Sonalgaz | Algeria

- Contributed to internal software conception and development; gained exposure to enterprise-scale software processes and IT infrastructure.

KEY PROJECTS

SOPHAL Custom ERP Platform | *Node.js, Vue.js, PostgreSQL, Docker, Flutter*

- End-to-end ERP replacing legacy system for 200+ users, 9 modules, 500K+ transaction records. Sole architect and lead developer.

Carixin — Mechanic Service Management App | *Flutter, Node.js*

- Mobile application for mechanic service booking, job tracking, order management, and real-time location — deployed on Android and iOS.

CovPred — AI Bioinformatics Prediction Tool | *Python, Machine Learning, Web Platform*

- Machine learning web platform for COVID-19 outcome prediction, developed during academic research phase.

Newsletter Campaign Platform | *Laravel, PHP, MySQL*

- Bulk email platform serving 3,000+ clients with dynamic templates, subscriber segmentation, and campaign analytics.

EDUCATION

Master's Degree — Information Systems Engineering & Management (MIS) | *Ecole Nationale Polytechnique d'Oran (ENPO)* | 2018 – 2021

Graduated 1st in class (Valedictorian). Engineering curriculum covering enterprise software architecture, project management, database systems, and data-driven decision-making.

Preparatory Classes — Electrical Engineering & Sciences | *ESGEE Oran* | 2016 – 2018

Competitive preparatory program (CPGE equivalent) for national engineering school entrance.

Mathematics & Computer Science | *Universite Oran 1 Ahmed Ben Bella* | 2015 – 2016

CERTIFICATIONS

- Lean Six Sigma — Yellow Belt
- Japanese-Language Proficiency Test (JLPT N5)
- Front-End Development Track (Online Certification)
- Android Development Track (Online Certification)
- Project Management — ANVREDET (Oct–Nov 2020)

LANGUAGES

Arabic: Native **French:** Professional Proficiency **English:** Professional Proficiency **Japanese:** Elementary (JLPT N5)

Available for remote full-time roles and freelance engagements | Portfolio: bachirsouldi.com | GitHub: github.com/bachirsouldi