AYOUB LESFER

SENIOR FULL-STACK DEVELOPER

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Available for Remote Work Worldwide

PROFESSIONAL SUMMARY

Senior Full-Stack Developer (6+ years) specializing in enterprise SaaS platforms, e-commerce systems, and complex system integrations. Expert in PHP (Laravel, Symfony, CodeIgniter), React, Node.js, and Python, with a strong track record in legacy modernization, API architecture, and performance optimization at scale.

CORE COMPETENCIES

- Enterprise system integration (Eldermark, PCC, DiningRD) & healthcare platform development
- Legacy system modernization & performance optimization (60%+ improvement achievements)
- E-commerce platform development & conversion rate optimization (30% → 90% BAPI adoption)
- RESTful API architecture & third-party integrations (payment gateways, OAuth2, HL7)
- Blockchain development & smart contracts (DeFi, DEX platforms, Ralph/Rust)
- Full-stack architecture (React/Vue.js frontends, PHP/Node.js backends, MySQL/MongoDB)
- DevOps & infrastructure (Docker, CI/CD, monitoring with Datadog, AWS)
- Multilingual project delivery (French, English, Arabic - all bilingual/native)

PROFESSIONAL EXPERIENCE

Senior Full-Stack Developer

eMenuChoice (SaaS Platform for Senior Living Communities) | December 2024 - Present

Leading full-stack development for comprehensive dining services management platform serving senior living communities. Working with legacy PHP/CodeIgniter backend and modern React frontend, implementing complex integrations and enterprise-grade features.

- **Multi-System Healthcare Integrations:** Architected and implemented integrations with Eldermark NEXT, PCC (via Yardi HL7), and DiningRD, enabling automated resident synchronization, real-time health data updates, and seamless cross-platform menu management for 100+ senior living facilities
- **Performance Optimization:** Resolved critical memory bottlenecks affecting high-volume pages, optimized database queries for 10,000+ item datasets, and reduced page load times by 60% through efficient data loading strategies and query refactoring
- **Complex Workflow Automation:** Developed sophisticated auto-order systems with dietary restrictions, reservation management with period-based access controls, menu cycle automation (4-week/5-week), and meal plan processing serving thousands of daily orders
- **E-commerce & Payment Integration:** Built complete checkout workflow with Square Terminal integration for self-service kiosks, device-specific payment processing, and multi-order receipt generation system
- **Data Synchronization Solutions:** Implemented robust sync mechanisms handling edge cases (special characters, hidden items, allergen variations), resident lifecycle management, and integration fallback strategies ensuring 99.9% sync reliability
- **Technical Stack:** PHP 8.4, CodeIgniter 2.1.3, React 16.13.1, MariaDB, Docker, HL7 interfaces, OAuth2, REST APIs

Backend Developer

Uneed (Client: BricoPrive E-commerce Platform) | April 2022 - May 2024

Maintained and evolved large-scale e-commerce platform, focusing on system optimization, API development, and infrastructure modernization.

- **BAPI Integration Success:** Led critical migration project increasing BAPI usage from 30% to 90%, dramatically improving system reliability, reducing technical debt, and enabling modern API-first architecture

- **Infrastructure Modernization:** Migrated logging infrastructure from AWS Cloudwatch to Datadog, implementing comprehensive monitoring dashboards, alerting systems, and performance tracking that reduced incident response time by 50%
- **API Development & Optimization:** Designed RESTful APIs in Node.js bridging legacy Prestashop and modern React frontend, while optimizing Airflow DAGs for financial data processing (40% faster execution)
- **Technical Stack:** PHP (Prestashop), Python, Node.js, React, AWS, Datadog, Airflow

Full-Stack Developer
EnjoyMonCSE (Works Council Management Solutions) | July 2019 - November 2021

Developed end-to-end management and e-commerce solutions for works councils using Agile methodology.

- **Full-Stack Platform Development:** Built custom CMS with employee management, activity coordination, and accounting tools using Laravel and Vue.js, serving 50+ works councils and 10,000+ employees
- **E-commerce Integration:** Created private employee stores with Prestashop, integrating multiple payment gateways (PayPal, Monetico, PayZen), Algolia search, and OAuth2 authentication
- **Cross-Platform Mobile Deployment:** Developed and deployed mobile application (Cordova/AngularJS) for Android and iOS, enabling works council communication and mobile commerce capabilities

Full-Stack Blockchain Developer (Independent / Open-Source Project)
Alephium DEX Project (Decentralized Exchange) | March 2023 - Present

Contributing to open-source decentralized exchange platform built on Alephium blockchain, focusing on DeFi innovation and smart contract development.

- **Smart Contract Development:** Implemented core DEX functionalities using Ralph (Rust-based language), including swap optimization, liquidity pool management, and automated market maker algorithms
- **Router Optimization:** Developed smart contract router for multi-pool swap optimization, reducing transaction costs by 25% and improving execution efficiency
- **Technical Stack:** Ralph (Rust), React, TypeScript, Express, Alephium blockchain, Web3 integration

EDUCATION

Master of Science in Computer Science
Université de Bordeaux | Bordeaux, France | 2018 - 2019

Bachelor of Science in Computer Science
Université de Bordeaux | Bordeaux, France | 2017 - 2018

Engineering Studies - Computer Science
ENSEIRB-MATMECA | Bordeaux, France | 2015 - 2017

TECHNICAL SKILLS

Languages & Frameworks: PHP (Laravel, Symfony, CodeIgniter), JavaScript/TypeScript (React, Vue.js, Node.js, Express), Python, Ralph (Rust), HTML5/CSS3, Tailwind CSS
Databases & Caching: MySQL, MariaDB, MongoDB, Redis, Query optimization, Database design
Integration & APIs: RESTful APIs, OAuth2, HL7 interfaces, Payment gateways (PayPal, Stripe, Square), Third-party integrations
DevOps & Tools: Docker, Git, CI/CD, Nginx, Linux administration, AWS, Datadog, Airflow, Algolia
Specialized: Blockchain (Smart contracts, DeFi), E-commerce (Prestashop, conversion optimization), Healthcare integrations, Mobile development (Cordova)
Methodologies: Agile/Scrum, Code review, Test-driven development, API-first architecture, Microservices

ADDITIONAL INFORMATION

- **Availability:** Open to freelance projects worldwide | Remote work specialist | Flexible timezone collaboration
- **Languages:** French (Bilingual) | English (Bilingual) | Arabic (Native)

- **Location:** Based in Bordeaux, France (CET/CEST timezone)