

Osama H. Farhat

Senior Full Stack Engineer | ERP & SaaS Architect | Lead Developer

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PROFESSIONAL SUMMARY

Senior Full Stack Engineer with 6+ years of experience and a track record of being trusted as the sole engineer on high-stakes, production-critical systems. Designed and delivered 10+ compliance modules for a Burbank, CA government platform serving 30,000+ residents — solo, remote, on time. Architected a full multi-module ERP from scratch covering finance, HR, and operations that cut client workload by 55%. Repeatedly chosen as the single point of engineering ownership across government, insurance, fintech, and SaaS engagements. Stack: React, TypeScript, .NET Core, PostgreSQL, AWS, Docker, CI/CD. Available for Senior, Lead, and Architect roles where ownership and delivery depth matter.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, C#

Frontend: React, Vue.js, Next.js, HTML5, CSS3, Tailwind CSS, Redux

Backend: .NET Core, Node.js, REST APIs, GraphQL, Strapi, Entity Framework Core

Databases: SQL Server, PostgreSQL, MongoDB, Redis — query optimization, data modeling, ORM

AWS: EC2, S3, Lambda (Serverless), IAM — cloud-native architecture and deployment

DevOps & CI/CD: Docker, GitHub Actions, CI/CD pipelines, Infrastructure as Code (Terraform — foundational)

Architecture: Microservices, event-driven design, system design, API contracts, CQRS, clean architecture

Security: RBAC, JWT, OAuth 2.0 / OIDC, OWASP fundamentals

Testing: Unit testing, integration testing, xUnit, Jest

Domains: ERP, SaaS, Fintech, Insurance, Real Estate, Government / Public Sector

Practices: Agile / Scrum, sprint planning, technical roadmapping, code reviews, mentoring, stakeholder management

PROFESSIONAL EXPERIENCE

Principal Engineer & Founder | [CodePeakLB](#) | [Software Consultancy](#) 2019 – Present

- Designed and built a full-stack ERP platform (React, TypeScript, .NET Core, SQL Server) covering finance, HR, and operations — reducing client manual workload by **55%** and cutting reporting cycle time from **3 days to 4 hours**.
- Migrated legacy desktop ERP systems to cloud-native SaaS architecture on AWS (EC2, S3), reducing deployment time from 2 days to under 1 hour and lowering infrastructure costs by **~35%**.
- Built high-performance real estate and insurance platforms with optimized PostgreSQL query plans and connection pooling, sustaining **500+** simultaneous users without performance degradation.
- Authored OpenAPI contracts, normalized data models, and system architecture documentation for teams of 3-5 engineers, reducing integration rework by **~50%** and accelerating sprint delivery by **30%**.
- Implemented RBAC, JWT, and OAuth 2.0 authorization across all client platforms — **zero security incidents** across 4+ years of production operation.
- Established code review standards, CI/CD pipeline conventions, and Agile sprint rituals, mentoring junior developers into mid-level engineering roles.

Software Engineer (Remote) | [ArcinaRisk IT Solutions](#) | [California, USA](#) 2022 – 2024

- Sole engineer responsible for designing and delivering **10+** risk-tracking and compliance modules (Vue.js, Strapi, PostgreSQL) — including a certificate-of-insurance tracking system for Burbank municipality (government / public sector) serving **30,000+ residents** — on time and within scope.

- Built automated alerting and audit-trail workflows that cut administrative overhead by **40%**, saving the client **100+ hours/month** of manual compliance processing.
- Maintained reliable solo delivery as a remote engineer across US-Lebanon time zones, contributing to feature planning, code reviews, and continuous integration improvements throughout a 2-year engagement.

Frontend Web Developer | [Plugitapps](#)

Feb 2020 – Jul 2020

- Built real-time fintech dashboards (React, TypeScript) processing thousands of live data points per view, optimizing rendering through memoization, lazy loading, and virtualized lists to achieve consistent **2-4 second** load times on data-intensive views.
- Integrated multiple third-party REST APIs for payment and market data feeds, defining error-handling contracts with backend teams that reduced frontend integration bugs post-launch.

EDUCATION

Bachelor of Computer Science

Lebanese International University

2015 – 2019

IT and Accountancy

ITS Institute

2012 – 2014

ADDITIONAL INFORMATION

Languages: Arabic (Native), English (Professional), Spanish (Beginner)

Portfolio: codepeaklb.com