

PROFESSIONAL SUMMARY

Versatile Senior Software Engineer and Team Lead with **13+ years of programming experience** and 8+ years specializing in enterprise-grade web applications, robust backends, and containerized deployments. Highly proficient across the **React & TypeScript ecosystem**, scalable **Python backends (FastAPI)**, and end-to-end **DevOps pipelines**. Proven track record in translating complex business requirements into high-performance, maintainable software architectures. Available for contract work, end-to-end MVP delivery, and technical consulting.

TECHNICAL COMPETENCIES

Frontend Engineering	React.js, TypeScript, Next.js, Vite, Tailwind CSS, Material-UI, Zustand, Redux Toolkit, WebSockets
Backend & APIs	Python (FastAPI), Node.js (NestJS, Express), C# (.NET Core), RESTful APIs, Clean Architecture
Databases & ORM	PostgreSQL, Microsoft SQL Server, Oracle DB, SQLite, Prisma ORM, SQLAlchemy
DevOps & Infrastructure	Docker, Docker Compose, Nginx (Reverse Proxy), CI/CD, Linux (Ubuntu/Oracle), Git/GitLab
Mobile & Specialized	Android SDK (Java/Kotlin), iOS (Swift), Matrix Ecosystem / Synapse Customization, AI & ML

WORK EXPERIENCE & LEADERSHIP

Lead Software Engineer | IRISA

Mar 2024 – Present

- Leading cross-functional development teams in architecting and delivering mission-critical enterprise software.
- Architecting high-performance React/TypeScript applications integrated with modern backend services and microservices.
- Instituting rigorous code reviews, automated CI/CD pipelines, and Dockerized staging/production workflows.
- Mentoring mid and junior engineers, establishing architectural guidelines and front-end best practices across the organization.

Senior Frontend Developer | IRISA

Jun 2022 – Mar 2024

- Engineered large-scale administrative and operational web portals including HRIS, Welfare & Logistics Automation, and Insurance claims.
- Migrated legacy systems to modern React, TypeScript, and Tailwind CSS/MUI, achieving substantial improvements in load time and UX responsiveness.
- Developed complex state-driven administrative dashboards for enterprise messaging platforms and real-time event monitoring.

Freelance Software Engineer & Full-Stack Consultant | Independent

2016 – Present

- Delivering end-to-end custom software solutions, SaaS platforms, and enterprise dashboards for regional businesses and startups.
- Building full-stack MVPs with React/TypeScript frontend and FastAPI/PostgreSQL backends deployed via automated Docker Compose setups.
- Providing technical consultation on system architecture, database optimization, and performance tuning for existing applications.

Mobile Application Developer | IRISA & Freelance

Jan 2016 – Jun 2022

- Engineered native Android (Java/Kotlin) and iOS (Swift) applications, including industrial handheld scanners (RFID & Barcode readers).
- Created consumer utilities and productivity apps published on app stores, handling in-app purchases and secure offline-first storage.

KEY PROJECTS & SOLUTIONS

Enterprise HRIS & Resource Management Platform

React TypeScript Enterprise

- Developed responsive web interfaces for complex organizational personnel management, query builder, and Oracle DB reporting tools.

Industrial Workshop Management SaaS (Kardesk)

Full-Stack FastAPI Docker

- Designed and built an end-to-end CNC/workshop order management and job-tracking platform with automated reporting.

Enterprise Messaging & Collaboration Administration Suite

React Python Matrix Synapse

- Engineered real-time administrative panels, automated bot integrations, and secure communications infrastructure.

EDUCATION

Master of Science (M.Sc.) in Artificial Intelligence Islamic Azad University, Najafabad Branch	2017 – 2020
Bachelor of Science (B.Sc.) in Software Engineering Islamic Azad University, Najafabad Branch	2016 – 2018
Associate Degree in Software Engineering Mohajer Technical and Vocational College, Isfahan	2014 – 2016