

# Alberto Barrago

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## Profile

Senior Frontend Engineer specializing in component library architecture and Web Components at scale. 6+ years building production systems with JavaScript/TypeScript, Angular, React. Full-stack experience with Node.js, Python, Docker, CI/CD. Active in AI/ML integration and emerging technologies. Technical interviewer for international tech companies.

## Technical Skills

**Frontend:** JavaScript/TypeScript, Angular, React, Web Components, RxJS, NgRx

**Backend:** Node.js, Python, FastAPI, Spring Boot, Java DevOps: Docker, CI/CD, Azure DevOps, Git, Monorepo

**Databases:** MongoDB, Oracle, MySQL

**AI/ML:** TensorFlow.js, ml5.js, LLM Integration

## Experience

### SENIOR SOFTWARE ENGINEER

MINSAIT/INDRA 2023 ~ 2025

- Architected and shipped an Angular component library serving 6+ internal development teams at INPS; optimized CI/CD pipelines reducing deployment time by 30%, enabling faster, more reliable releases while maintaining quality standards.
- Designed and developed enterprise-scale Web Components and component libraries used across INPS's digital infrastructure.
- Owned the complete lifecycle for 11 INPS products, building, deploying, documenting, and establishing standardized Git practices across teams; served as primary release manager ensuring smooth handoffs to production.
- Designed and implemented automation scripts that increased team efficiency by 25%, recovering ~4 hours weekly for higher-impact work.
- Collaborated with cross-functional teams to refine DevOps processes, reducing manual deployment steps and improving system reliability.

### SENIOR SOFTWARE DEVELOPER

SOFTFOBIA S.R.L. 2022 ~ 2023

- Led full-stack development teams building React and Angular applications with Spring Boot backends; delivered scalable, maintainable solutions across multiple business domains.
- Optimized application performance resulting in 20% load time reduction, improving user experience and system efficiency.
- Designed and delivered Git/HTTP/JavaScript training for 16 Tech Academy members, translating complex technical concepts into practical application.

## SOFTWARE DEVELOPER

ACCENTURE S.P.A. 2021 ~ 2022

- Designed and implemented a Kafka-based micro-services architecture for rural pharmacy tender management, enabling scalable data persistence across MongoDB and Oracle; improved system reliability and team throughput.
- Created an Angular 12 application for virtual machine configuration and management.
- Implemented training programs at Istituto Giua on Git, HTTP, and JavaScript fundamentals for external developers.

## SOFTWARE DEVELOPER

SINOSSI S.R.L. 2016 ~ 2021

- Built and maintained production mobile applications using Ionic and Angular for Fortune 500 clients (Deutsche Bank, TIM); managed end-to-end lifecycle from design through deployment, ensuring quality and reliability at scale.
- Progressed from individual contributor to architectural leadership, designing full-stack solutions integrating MongoDB and Oracle databases with Spring Boot backend APIs; established foundational patterns the team adopted.
- Mentored junior developers across frontend and backend domains, building technical depth within the team while delivering on critical client projects.

## FREELANCE WEB DEVELOPER

2010 ~ 2016

- Created custom WordPress themes, plugins, and web solutions for startups and small businesses; gained foundational experience in HTML5, CSS3, JavaScript, and emerging frontend frameworks (Backbone.js, Grunt).

## **Languages**

- Italian: Native
- English: Professional Working Proficiency

## **Education**

- Diploma in Industrial Computer Technician I I.T.C. Pietro Martini, Cagliari - 2001/ 2006