

Alberto Barrago

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Profile

JavaScript-first Senior Engineer with deep expertise in enterprise scalability and cloud architecture. Over 6+ years delivering production systems for millions of users across frontend, backend, and DevOps—specializing in Node.js/React ecosystems, CI/CD automation, and AI-integrated solutions. Pragmatic builder who values code quality, collaborative shipping, and real measurable impact.

Skills

- **Frontend:** Angular, React, Vanilla JavaScript
- **Backend:** Node.js (Express, Fastify), FastAPI, Spring Boot, Flask
- **Database:** MongoDB, Oracle, MySQL
- **DevOps & Cloud:** Docker, GitHub Actions, Azure DevOps, CI/CD pipelines
- **Tools:** Git, Neovim, cURL, Postman, tmux
- **AI & Automation:** LLM integration, prompt engineering, AI agents, Telegram bot development

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.
- 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 microservices 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).

Education

- Master's Degree in Law | University of Cagliari, Cagliari - 2006 - 2011
- *Diploma in Industrial Computer Technician | I.T.C. Pietro Martini, Cagliari - 2001/ 2006*

Languages

- Italian: Native
- English: Professional Working Proficiency

Interests

- Interests Open-source maintainer (npm packages 1500+ downloads), AI/ML experimentation (ml5.js, TensorFlow.js), systems programming (C), communication patterns and team dynamics
- Deeply interested in Neuro-Linguistic Programming (PNL)