

Roberto Serra

Full Stack Senior Engineer

Born on: 10/06/1983
Based in: Torino, Italy

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I am a software developer with 15 years of experience, during which I have worked with a wide array of projects, teams, clients, and technologies.

I'm passionate about creating innovative solutions to complex problems while learning.

Work Experiences

Tech Lead and Senior Software Engineer

Sept 2014 - Present

Designing and developing enterprise and large-scale modern web applications for the US and European markets.

Web and Mobile Developer

Jan 2012 - Aug 2014

Developing and designing web applications, mobile apps (PhoneGap and Titanium), and HTML5 games.

Co-founder and Developer

Mar 2010 - Dec 2011

Developing web sites and web applications for small and medium-sized companies.

Web Developer

Mar 2010 - Dec 2011

Developing and maintaining a live auction web application.

Notable Projects

Solution Architect and Team Lead for a San Francisco-based startup

Through my dual responsibilities as a Solution Architect and Team Leader, I coordinated the engineering team's efforts, driving them toward successfully delivering an ad-hoc solution both on the cloud and locally.

+ Python, AWS Lambda, AWS CloudFormation, Docker, FastApi, React, TypeScript, Software architecture, TDD, Agile, PR-reviews

Senior full-stack developer for a worldwide sport event

I contributed to developing the primary website for a prestigious global sports event scheduled for 2020 (subsequently postponed to 2021), working on the front-end, the back-end, and the automation pipelines.

+ C#, JavaScript, CSS, HTML, Scrum, Cypress

Full-stack developer for a US health assurance company

I worked as a full-stack developer on an insurance quoting web application targeted to medium and small businesses for a Fortune top 10 assurance company, refactoring an old Java monolith application into a micro-services-based one and creating an ad-hoc git flow to increase the maintainability and ease of deployment.

+ Clojure, JavaScript, RabbitMQ, Jenkins, AngularJs, Git

Interactive YouTube Masthead for an Italian fashion brand

I created a YouTube Masthead with an interactive video optimized for mobile and desktop.

+ JavaScript, CSS, HTML, Canvas

Other Projects

- Taught a NodeJs laboratory at Turin University for two years.
 - Several car configurators for a top multinational automotive company
 - A management tool for massive live tournaments for a US gaming card company
 - Two multi-platform mobile applications
 - A real-time auction web application
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Key Skills

- JavaScript, TypeScript, Python, Clojure, C#, PHP
 - React, Redux, NodeJs, Express.js, Jest
 - FastApi, Flask, Pydantic, Asyncio, Luminus
 - DynamoDb, MongoDB, MySQL, PostgreSQL
 - AWS Lambda, S3, CloudFormation, Cognito, APIGateway, AWS SQS, Google Cloud Provider
 - Pandas, Pytorch, Unity, Unity ML-Agents, Prompt Engineering
 - Git, bash, ssh, MacOS, Linux, Jenkins, Docker, RabbitMQ
 - Unit-Testing, TDD, E2E testing, Agile, Jira, PR-reviews
- + Very strong communication skills
- + Great experience as a team leader and department director
- + Excellent problem-solving abilities, capable of finding practical solutions
- + Great at adapting to different situations and project requirements
- + Quick and eager learner, committed to continuous self-improvement
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Interests

- AI and Machine Learning enthusiast (LLM, Reinforcement Learning)
 - Unity and HTML5 game development
 - Algorithms, coding and ML competitions
 - Physical computing with Arduino and Raspberry PI
 - Bread and pizza baking, cooking
 - Science and history documentaries
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Languages

Italian

Native

English

Fluent

Education

Università degli Studi di Torino

Laurea in Scienze Della Comunicazione - Bachelor of Arts in Communication Studies