Emanuele Dall'Ara

Computer Science Engineering · Full Stack Developer

📍 Cesena, Italy   ✉ emanuele.dallara99@gmail.com

[🌐 Website] [in Linkedin] [○ Github]

Education

Master in Computer Science and Engineering
Alma Mater Studiorum, University of Bologna
Dec 2021 - Dec 2023

Bachelor in Computer Science and Engineering
Alma Mater Studiorum, University of Bologna
Sep 2018 - Dec 2021

Technical Technological Diploma
ITT Blaise Pascal, Cesena
Sep 2013 - Jun 2018

Experience

myDev S.r.l — Full Stack Developer
Dec 2023 - Now

`React` `Typescript` `CSS` `HTML` `Jest` `Redux` `.NET` `C#` `AWS` `Bitbucket` `SonarQube` `SignalR` `DevOps` `Figma` `Storybook`

- Designed, developed, tested, and deployed design features in a timely manner, maintaining brand consistency throughout the design process.
- Spearheaded the migration of the project from Create React App (CRA) to Vite, leading to significant performance enhancements and expedited build times.
- Introduced clean code practices and principles to bolster code quality and maintainability.
- Implemented unit tests with Vitest to ensure the reliability and robustness of the codebase.
- Set up CI/CD pipelines with BitBucket to automate the build and deployment process, along with automated versioning and changelog generation, streamlining the release process and enhancing project documentation.
- Implemented SonarQube for continuous inspection of code quality, managing code security, bugs, and technical debt. This led to improved code maintainability and reliability.
- Led the creation of a centralized Storybook project, optimizing component documentation and streamlining collaboration. This significantly improved design workflows and resource management for enhanced productivity.
- Implemented WebSockets with SignalR for real-time notifications, enhancing user experience and engagement.
- Collaborated with the team to ensure the on-time delivery of features and updates.

DERNetSoft Inc — Full Stack Developer
Nov 2020 - Oct 2023

`React` `React Native` `Javascript` `Typescript` `CSS` `HTML` `Jest` `Redux` `Express` `Node` `MongoDB` `Docker` `GCP` `Github` `Github Actions` `DevOps` `Python` `Figma`

- Engaged in full-cycle software development at an energy sector technology startup
- Participated in frontend and backend development using all technologies from MERN stack
- Crafted secure microservices APIs with standard authentication, compression, and rate limiting
- Took on project management responsibilities, including sprint planning and prioritization, to align development projects with organizational goals
- Developed data connectors to seamlessly integrate with a time-series data store, managing diverse data sources
- Automated company processes and managed GitHub, implementing task automation and DevOps practices
- Led the development of mobile application and component libraries to ensure intuitive interfaces and streamlined processes

FabLabRomagna — IOT Developer (Internship)
Feb 2018 - Mar 2018

`Raspberry Pi` `Arduino` `C#` `Python` `AutoCAD`

- Designing and creating a web radio using Volumio software, an Arduino board, and a 3D printed case manufactured with AutoCAD, providing a customized and interactive radio experience

Latest Project

Cards-Against-Humanity

`React` `Vite` `Vitest` `Github` `Github Actions` `Socket.IO` `DevOps`

Cards Against Humanity is a web app card game based on Vite using Socket.IO.
More details: 🔗 Cards-Against-Humanity

TrackER

`React` `Vite` `Vitest` `Github` `Github Actions` `Socket.IO` `DevOps` `Microservices` `Docker`

Web-based energy management and sales software for vendors and building owners, focusing on resource production and consumption. More details: 🔗 TrackER

✦ see all of my projects on my portfolio: 🔗 skillsfolio

Skills & Tools

Languages
`C` `C#` `Java` `Scala` `HTML` `TypeScript` `JavaScript` `Python` `CSS` `Latex` `Markdown`

Technologies, Tools & Softwares
`React` `React Native` `Vite` `Vitest` `Jest` `GCP` `Docker` `SonarCloud` `VS Code` `Android Studio` `XCode` `GitHub` `GitLab` `Figma` `Notion` `Jira` `AWS` `BitBucket` `GitHub` `MongoDB`