ALESSIO RAGONESI

Full Stack Developer

About Me

Passionate about computer science since a young age, I have a fervent interest in technological innovation and its impact on the future. Through a journey of professional experiences, I want to
to contribute to digital transformation and embrace the challenges that the technological future holds, driven by passion and determination.

Contact

📅 24 July 2004

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Language

- Italian (Native)
- English (Basic)

🎓 Work Experience

April 2024 – Now

Full stack Developer

Vik School (Remote)

Frontend development

- Developed a cross-platform application (iOS, Android) using React Native and Expo Workflow. Native + Expo Workflow
- Implemented PostHog Analytics for tracking user behavior.
- Designed and integrated a caching system to reduce server load by minimizing redundant REST API calls.
- Developed a responsive layout system ensuring consistent appearance across all screen sizes.
- Created a comprehensive dashboard with three main sections:
  - Admin Panel: Focused on app analysis, user management, and notification management.
  - Sponsor Panel: Provided sponsors with insights into the performance of their sponsored content, including detailed metrics.
  - Teacher Panel: Provided teachers with detailed insights into student progress, including in-app homework completion tracking and overall progress.

Backend development

- Maintained and implemented additional features on a Node.js + Express server
- Created Views and Queries In PostgresSql
- Developed a comprehensive notification system, which included:
  - Ability for admins to attach key events to notifications.
  - User filtering based on selected criteria during notification creation.
  - An automated system for sending scheduled notifications created from the dashboard.
  - A performance tracking system to monitor notification clicks and completion of associated key events.

🎓 Education

January 2023 – July 2023

Develhope Bootcamp

I completed a six-month intensive training focused on learning the fundamental skills to pursue a career in web development. The program covered a wide range of technologies and tools, including Git, HTML, CSS, SASS, JavaScript, React.js, TypeScript, Node.js and Express. During the bootcamp, I participated in the development of real world projects, applying the skills learned in practical settings.

We used Agile methodology to work in teams, fostering efficient work management and constant collaboration, which allowed us to iterate quickly on projects and solve problems dynamically and collaboratively.

Subjects: Frontend/Backend/Agile Workflow

📝 Other Projects

May 2023   <u>Github</u>

Efest Web Forge

A website builder developed with React.js, including:
- A click-and-place website editor designed for ease of use.
- Firebase Authentication
- A rendering engine that dynamically displays user-created content on the screen.
- Simulated domain creation and website publication functionality.

The website builder featured a editable page that could be built by combining containers and simple items to be inserted inside those containers. The user can place elements like galleries, text fields, buttons, inputs, images and see them a in the page in real-time. Once added a multi-page menu would appear in order to allow the user to edit the desired component

🖥 INFORMATION TECHNOLOGY SKILLS

Programming Languages	
	JavaScript: *Intermediate*
	Typescript : *Intermediate*
	SQL: *Basic*

Frameworks/ Libraries	
	React: *Intermediate*
	React native (Expo Workflow): *Basic*
	Express: *Intermediate*
	Next.Js: *Intermediate*
	Nestjs: *Basic*

Databases	
	Postgres: *Intermediate*
	Redis: *Basic*

Other	
	Docker: *Basic*
	HTML5: *Intermediate*
	CSS: *Intermediate*
	SASS: *Intermediate*
	TAILWIND: *Intermediate*
	LINUX: *Basic*
	GIT: *Basic*
	VS CODE: *Intermediate*
	Redux: *Basic*
	MUI: *Basic*
	Arduino: *Basic*