NICOLA CASTALDO

[SOFTWARE | DATA | FULL STACK] ENGINEER

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Creative and passionate engineer with a strong theoretical background in **computer science** and work experience in **software** and **data engineering**, data **visualization** and **full stack development**, playing both **design** and **operative** roles.

CODING	LIBRARIES	TOOLS	SKILLS
JavaScript	TypeScript	Vue	Vuex	Vite	VSCode	Interpersonal Skills
HTML	CSS	D3	ObservableHQ	git	Docker	Project Management
Python3	node	express	JIRA	Confluence	Problem Solving
Java	Java EE	SQL	pandas	numpy	Eclipse	IntelliJ	Cure of detail

WORK EXPERIENCE

OVERIT SPA – Udine, ITALY   May 2021 – Present
Technical Analyst

Recruited to improve the main product of the company: its Field Service Management ERP solution. Supported functional analysts to define the requirements and cooperated with senior software engineers to deploy the new functionalities to be integrated in the final solution.

- Collaborated with development teams to **design** and **develop** the **data** and **object models**, **business logic** and **web service integration** structures of the functionalies
- **Organized** and **distributed** the **development tasks** across multiple developers and carried on **code reviews** on their outputs
- Applied **Agile** methodologies to coordinate and manage the progress of the functionalities
- Designed the **UX** and **UI** of new functionalities both for the **web** and **mobile** applications

FONDAZIONE BRUNO KESSLER (FBK) – Trento, ITALY   April 2019 – April 2021
Data and Full Stack Engineer

Hired to manage the data processes of the Complex Human Behavior academic projects. Autonomously created and developed multiple web applications designed to present metrics and statistics of high volumes of data, focusing on the data engineering and web presentation.

- Worked with different **web services** and applied **AI** based **algorithms** to retrieve, process and store data coming from Twitter, Yahoo Finance, International Statistics offices, etc.
- Developed the _Covid19 Infodemics Observatory_ on behalf of the **World Health Organization**, a web application based on **Vue** and **D3** for the visualization of _Infodemic_ data
- Crafted _d3nic,_ a library to create dynamic charts, built with **functional programming** paradigms, **object composition** patterns and **JavaScript ES6** features

EDUCATION

POLITECNICO DI MILANO – Milano, ITALY (2019)
M. Sc. in Computer Science and Engineering

UNIVERSITAT POLITECNICA DE VALENCIA – Valencia, SPAIN (2016)
B. Sc. in Computer Science and Engineering, Erasmus+ Student

POLITECNICO DI MILANO – Milano, ITALY (2016)
B. Sc. in Computer Science and Engineering

LANGUAGES

Italian – Native
English – Advanced
Spanish – Advanced

PUBLICATIONS

Google Scholar
Nicola Castaldo