Thomas **Pellegrini Software Engineer**

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github.com/ThomasPellegrini



EXPERIENCE

Ongoing 03/2023

Software Engineer, SERENIS HEALTH, Full remote, Italy

- > Working to make mental health accessible.
- > Developed a session recovery system, reducing customer support requests by 40%.
- > Worked one year on Gesto, a SaaS product by Serenis designed to eliminate bureaucratic and fiscal complexities for therapists. Actively participated in the initial development and architecture, integrating the system with Stripe for subscription management and government platforms for automated

Typescript NodeJS React Apollo GraphQL Federation Prisma Jest Sentry

03/2023 03/2021

Data Engineer, QUANTYCA - DATA AT CORE, Full remote, Italy

- > Proficient in all facets of Business Data Analysis, Data Modelling and ETL flows development using
- > Gained solid technical expertise in Software Development Lifecycle implementing Backend solutions with core Java technologies as SpringBoot and Frontend frameworks using JavaScript, ReactJS, Redux, HTML5 and CSS.
- > Responsible for the development of automatic processes designed to speed up the data entry process
- > Responsible for refactoring existing AWS workflows using shared success and fail jobs reducing the amount of allocated resources by 20%.

AWS Pyspark React Spotfire Springboot



EDUCATION

2018 - 2021 Master's Degree in Computer Science, University of Milan - Bicocca

- Thesis on the automatic generation of test cases to validate enforcers for Android apps.
- Relevant Coursework: Cloud Computing, Internet of Things, Software Architecture.

Bachelor's Degree in Computer Science, University of Milan - Bicocca 2015 - 2018

- Thesis on the development of a cross-platform application with React Native and Redux that delivers campus news.

SKILLS

Typescript, PySpark Languages

NodeJS, React, React Native Frameworks MySQL, PostgreSQL, Redshift Databases Other Jest, Vitest, Cypress, AWS, Docker



CANGUAGES

+ CERTIFICATIONS

> Italian: Native > English: Proficient > AWS Cloud Practitioner > Tibco Spotfire Professional

PROJECTS

IOT BASED SMART WEATHER STATION

github.com/ThomasPellegrini/Smart-Home-IoT

- The goal of this project is to make a temperature/humidity/ambient light/rssi monitor that wirelessly logs the values to a remote server.
- This system can be controlled with a Telegram bot and a web client.

C++ Python NodeMCU MySQL MQTT protocol Telegram bot

REACT NATIVE NEWS APP

github.com/ThomasPellegrini/University-News-App

• React Native news app that displays news articles from Bicocca University.

React Native Javascript Redux