

# Adriano DALPANE

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Age: 39 - Nationality: Italian - Location: Brescia, Italy

## PROFILE

Senior Developer, 12 years of experience, last 3 of which using Rust.  
Autonomous, values neat code writing and working in small teams.  
Fluent in English and French, native Italian speaker.  
Can work on B2B contract by invoicing.  
Requires 1 month of notice period to quit current occupation.

<https://www.linkedin.com/in/adriano-dalpane>  
<https://github.com/digitalillusion>  
<https://deverse.xyz>

## EXPERIENCE

### knobs.it

Jul 2023 - now

#### Rust developer

Developed a notarization system over blockchain for an intelligent trash-bin network of an environmental operator, featuring import of the data, the visualization and search of entries, and the verification whether required. Neon, Polygon blockchain, Prisma, mysql, Azure functions, Delta Sharing  
Deployed smart contracts on Radix: a fork of a money market featuring, supply, redeem, collateralized borrow, and liquidation.  
Radix, Scrypto, Supra Oracle  
Rewrite to Rust of an existing backend featuring transaction notarization and user operation bundling for an application that allows account abstraction.  
Ethereum, Polygon blockchain, Kafka, redis, Prisma, mongodb, axum, serde  
Implementation of a prototype for a volunteering and donations application over Internet Computer decentralized platform. Featuring price oracle integration, HTTP initialization of the canister and persistent data storage.  
Internet Computer, XRC, internet identity  
Worked on an NFT marketplace backend written in Rust. Refactored the codebase to maximize performances and maintainability. Asynchronous programming, integration tests with mock layer.  
Ethereum, Linea blockchain, GraphQL, IPFS, mongodb, redis, axum, swagger, serde

### Anagolay network

Nov 2021 – Feb 2023

#### Rust developer

Implementation of a framework that allows reproducible execution of immutable code in workflows, under WASM or Rust; deployed on a polkadot parachain that deal with IP management. Developed pallets with custom types, genesis, off-chain worker, RPC APIs, benchmarks and unit tests. Migrated standalone node to parachain template. Contributed to development of middleware and frontend to support an homemade SDK.  
Substrate, WASM, IPFS, postgresql, nodejs, typescript, svelte, scale codec

<b>Master The Monster</b> Sep 2020 – Nov 2021	<b>Java developer</b> Worked on a platform for video content production and marketplace between brands and producers. Implemented a Bayesian classifier to perform match making. Contributed to some frontend development Spring Boot, cassandra, angularjs, typescript, swagger, Stripe APIs
<b>Freelance projects</b> Mar 2020 – Sep 2020	Created a tool to synchronize an online shop inventory from an excel file toward Woocommerce and ebay Spring Boot, kotlin, postgresql, ReactJs, woocommerce REST APIs Created point-and-click RTS game using Godot engine and Monte Carlo Tree Search artificial intelligence that compiles to WASM and runs in browser gdnative, Rust, WASM Created an utility to upgrade an UDP connection to be reliable using Aeron driver Aeron, Rust Portfolio website Typescript, GatsbyJS, GraphQL, ReactJS
<b>Monaco Telecom</b> May 2016 – Feb 2020	<b>Java developer</b> Worked on service bus, network interface, provisioning and inventory utility of different telecom operators. Contributed to migration of old backends toward microservices architecture. Spring Boot, postgresql, Neo4J, Keycloak, rabbitmq, Kafka, Apache Camel
<b>Amadeus SAS</b> Sep 2012 – May 2016	<b>Java developer</b> Worked on the booking engine and APIs of a major player in the travel industry Webservices, swagger

## EDUCATION

2018	Coursera Course Certificates, Machine Learning
2016	Oracle Certification Program, Java 8 Programmer II
2011	Master Degree in Computer Science - Politecnico di Milano, Italy

## CONTRIBUTIONS

- <https://github.com/r3stl355/delta-sharing-rust-client>  
Rust Client that integrate with Delta Sharing.