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# David de Esteban

Blockchain Developer | Javascript Developer

## Skills

**Languages:** Solidity, JavaScript, Python, Typescript

**Blockchain:** Solidity, Ethers, Truffle, Ganache, deployment to mainnet, Flash swaps, trading bots, NFTs, Uniswap V3

**Frontend:** React, Redux, Bootstrap, HTML, CSS

**Tools:** Git, Github, VS Code, Node.js, Heroku, Agile

## Language skills

**Spanish:** Native

**English:** Fluent

**Dutch:** Pre-intermediate

**French:** Conversational

**German:** Elementary

## Projects

### Delta Radar

[delta-radar.herokuapp.com](https://delta-radar.herokuapp.com) | [Github](#)

App showing possible profitable arbitrage trades on Ethereum and BSC blockchains

Delta Radar is a frontend app which shows potential profitable arbitrage trades across token pools in DEX Exchanges. The backend bot includes:

- Scanning token pools across different DEXs and finding price differences
- Calculating the optimum amount of the first token in the trade sequence
- Triggering a smart contract with flash loan capabilities

### Dolphinance

[dlp-token-exchange.herokuapp.com](https://dlp-token-exchange.herokuapp.com) | [Github](#)

Exchange Dapp deployed to the Rinkeby network

- Exchange Dapp based on the capstone project from the Dapp University Blockchain Developer Bootcamp.
- The dapp allows buying and selling the native token of the exchange, deposits and withdrawals, placing limit orders and tracking token price.

[Exchange smart contract on Rinkeby](#) | [Native token smart contract on Rinkeby](#)

### UniCharts

[uniswapv3-charts.herokuapp.com](https://uniswapv3-charts.herokuapp.com) | [Github frontend](#) | [Github backend](#)

Charting App that shows price data from Uniswap V3 pools

- The backend retrieves data from Uniswap V3 and stores it on a database
- The frontend reads the historical price data from the database and generates the charts
- Easy search of coin pairs, visualization of charts in different timeframes and use of exponential and simple moving averages (EMA and SMA)

## Education

### Dapp University

Blockchain Developer Bootcamp

### Udacity Nanodegree Program

Blockchain Developer

### Universidad Politécnica De Valencia/ETSII

Industrial Engineer (Msc)

### Michigan Technological University (MTU)

Mechanical Engineering  
Scholarship

### Umeå Institute of Design

Industrial Design Intensive Course

## Experience

Frontend and SEO support | YOGI TIMES (Bali, Indonesia) | 09/2022 – 11/2022

Responsible for Wordpress website maintenance

- Improved website performance
- Implemented code to change styling of the website
- Provided technical support to editors

Blockchain development | Udacity – Dapp University | Since 01/2021

Graduate of various bootcamps and coding programs

Installations Engineer | Stadler Rail (Valencia, Spain) | 06/2019 – 24/09/2020

Mechanical Engineer at the Installations Department

Mechanical Engineer | NS Trein Modernisering (Haarlem, Netherlands) | 12/2016 – 05/2018

Mechanical Engineer at the Systems and Cabling Department

Consultant and Engineering Business Developer | Decnika S.L. (Valencia, Spain) | 09/2013 – 11/2016

Head of entrepreneurial project providing engineering consulting services

Rolling Stock Design Engineer | Vossloh Rail Vehicles (Valencia, Spain) | 10/2003 – 05/2012

Mechanical systems engineer, design leader of driver's desk for locomotives