

# PAOLO GRIGNAFFINI

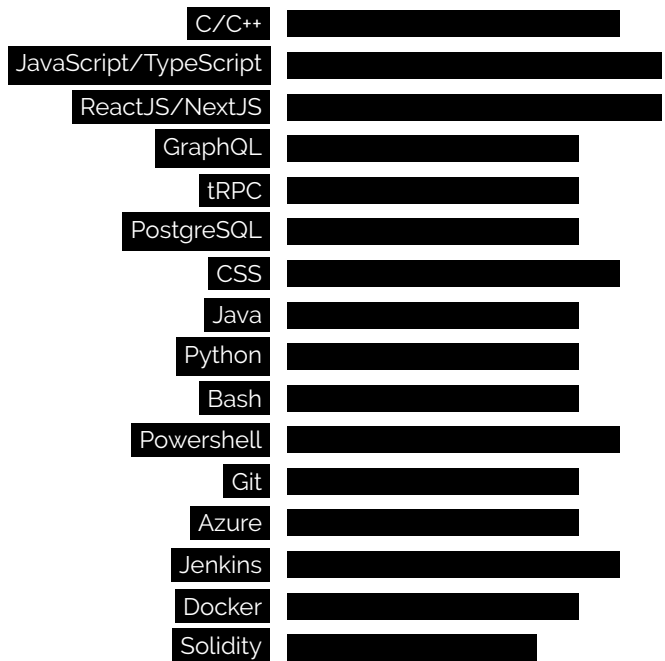
DevOps Engineer  
Full-stack Web3 Dev

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## WHO AM I?

Reliable and passionate individual looking for a part-time position within a blockchain development environment. Throughout my education, I have demonstrated high levels of motivation, work ethic and teamwork, gaining valuable knowledge on both computer science theory and practice. During the past couple of years I have worked as a DevOps Engineer for an international bank. During my time spent there I started approaching blockchain technology in order to get a better understanding of what could constitute an alternative to the traditional financial system. During the last months I took part on numerous Web3 hackathons: ETHGlobal, Polakadot N.A., Encode x Algorand... where I got excellent results implementing innovative ideas and presenting them to the Web3-community. I am currently seeking a job that could offer me the opportunity to build the next killer application on Web3.



## EDUCATION

1/2018 – 5/2019	<b>Master's Degree (Computer Science)</b> GPA: 3.8/4	New Mexico State University, USA
2/2017 – 6/2017	<b>Erasmus Program (Computer Science)</b>	University of Rzeszów, Poland
9/2014 – 12/2017	<b>Bachelor's Degree (Computer Science)</b> Final grade: 110/110	University of Parma, Italy

## EXPERIENCE

3/2022 – Current **Freelance Web3 Full-stack Dev**  
Developed, implemented and deployed Web3 full-stack applications which were submitted for multiple hackathons.  
**Greengo:** decentralized crowdfunding platform on Algorand aimed to incentivize funding for green projects  
2nd place Algorand x Encode hackathon: [Article](#)  
**PostThread:** decentralized social network aimed to reward users instead of extracting from them  
1st place Polkadot North America hackathon for Web3&Tooling: [DevPost](#)  
**BazaarMarket:** an NFT bartering market that allows users to swap multiple NFTs with one another. We also have our own NFT project called Diffemon, it was generated using the Stable Diffusion text-to-image model while the creatures names and personalities were generated by GPT3. [Link](#)  
ReactJS/NextJS / TailwindCSS / GraphQL / tRPC / PostgreSQL /  
JavaScript/TypeScript

2/2020 – 3/2022	<b>DevOps Engineer</b>	<b>Credit Agricole</b>
	During my day to day I am actively involved on writing architectural documentation for DevOps infrastructure, constituted by workflows and processes definition and guidelines for project development. I am also engaged on pipelines flow implementation using Groovy/Python/Bash/Powershell and the relative orchestration using Jenkins/Azure DevOps. A big focus was put on the on-premises and on-cloud active directory alignment (Powershell), that I have personally developed and deployed in production. For what concerns the platform administration me and the team have implemented users profilation and authentication (MFA) policies on Azure DevOps through the utilization of security groups. I am also supporting our colleagues on-boarding with these new technologies. Last but not least I took care of custom servers (RHEL, Windows) installation and configuration.	
1/2018 – 5/2019	<b>Research Assistant</b>	<b>NMSU</b>
	Research on Computer Vision, focused on Objects tracking OpenCV / C++	
1/2018 – 5/2019	<b>Web Administrator</b>	<b>NMSU Arts&amp;Sciences</b>
	Web Administrator for the college of Arts&Sciences HTML5 / Wordpress	

## PROJECTS

8/2022 – Current	<b>BazaarMarket</b>	.
	Bazaar Market is an NFT bartering market that allows users to swap multiple NFTs with one another. We also have our own NFT project called Diffemon, it was generated using the Stable Diffusion text-to-image model while the creatures names and personalities were generated by GPT3. <a href="#">Repo</a> <a href="#">Website</a>	
6/2022 – Current	<b>Greengo</b>	.
	Greengo is a decentralized community-driven crowdfunding platform, with the main purpose of allowing innovators to raise capital for projects that could help achieve ONU Agenda's 2030, that is a global list of goals designed to be a blueprint to achieve a better and more sustainable future for all <a href="#">Repo</a>	
5/2022 – Current	<b>PostThread</b>	.
	PostThread is a social media app first and a crypto app second. We hide all the crypto aspects from the user as most people aren't interested in it, but we believe it is important they have the ability to control their data should they choose to. At any time a user can take control of their assets and tokens. Also, all data is stored publicly on the blockchain or hosted on IPFS, so it can not be abused by a centralized entity. <a href="#">Repo</a> <a href="#">Website</a>	
8/2021 – 8/2021	<b>GizmoCoin</b>	.
	Bare-bone blockchain implemented in Javascript for learning purposes, it supports hashing, signatures, wallet generation and proof-of-work <a href="#">Repo</a>	
3/2019 – 5/2019	<b>PeteVSMutants</b>	<b>NMSU</b>
	Shooting game implemented in JAVA <a href="#">Repo</a> , <a href="#">Demo</a>	
1/2018 – 5/2019	<b>Beat Blocks</b>	<b>NMSU</b>
	Console application for Lego blocks' tracking: it uses HSV filtering combined with Aruco Markers to identify each block in a region of space. The program outputs the sounds defined inside each block according to the logic of their positioning. Implemented using OpenCV/C++ <a href="#">Report</a>	

3/2019 – 5/2019	<b>MPI Communication Bottleneck</b> Application used to display information regarding data traffic between nodes in a cluster through MPI. The GUI was implemented by using GraphViz and Qt framework <a href="#">Report</a>	NMSU
10/2019 – 11/2019	<b>4GIGS</b> Web application developed in team using React and Spring	DigitalGarage
11/2019 – 12/2019	<b>GCP infrastructure</b> Google Cloud infrastructure built using Kubernetes for learning purposes	ti&m