

Ralph Reijs

Chief Technology Officer



SUMMARY

Ralph comes from Haarlem, Netherlands and has more than 24 years' experience at the cutting edge of IT with a background in digital infrastructure / IT security. He is a Chief Technology Officer as well as an Advisor at various startups and is a Bitcoin / blockchain specialist. Ralph solves complex challenges and provides solutions in Product Development, Software Architecture, Infrastructure and Security. Having been a computer enthusiast since the age of ten, Ralph vividly remembers the BBS days, BlueBoxing, 2600 and Phrack Magazine, and has since built an extensive expertise in Hardware and Software. Ralph loves both thinking Big Picture, as well as diving into the details to solve problems.

📍 : Haarlem, Netherlands

✉ : ralph.simon.reijs@gmail.com

☎ : +31 655 960 613

🏠 : <https://ralphreijs.github.io>

🐙 : [ralphreijs](https://github.com/ralphreijs) ([https://github.com/](https://github.com/ralphreijs)

[ralphreijs](https://github.com/ralphreijs))

in : [ralphreijs](https://linkedin.com/in/ralphreijs) ([https://linkedin.com/in/](https://linkedin.com/in/ralphreijs)

[ralphreijs](https://linkedin.com/in/ralphreijs))

📺 : [@ralphreijs](https://www.youtube.com/@ralphreijs) ([https://](https://www.youtube.com/@ralphreijs)

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Experience

Mar 2023 – present

Chief Technology Officer / Co-Founder at Apostille USA (<https://apostille-usa.com>)

SUMMARY

Apostille USA is a company born out of a desire to improve existing apostille solutions which are generally slow, cumbersome and occasionally even unreliable. We have developed a fully automated platform for legal document processing that can handle orders within 24-72h, instead of weeks to months.

- Fully automated sales, order, fulfilment processes
- Physical and digital fulfilment, including automated shipping labels
- Revenue since the first month, profit since the 4th month

Feb 2023 – present

Chief Technology Officer / Founder at Toxic Maxi (<https://toxicmaxi.nl>)

SUMMARY

Bitcoin Maximalists have been called “toxic to the crypto-scene”, but since the various collapses of crypto companies, the hashtag #ThankAMaxi has been trending. Toxic Maxi is a company that aims to help individuals achieve self-custody, help companies integrate Bitcoin (-Lightning) solutions, and is developing a Bitcoin LN Point-of-Sales system.



Languages



🇺🇸 English :	★★★★
🇳🇱 Dutch :	★★★★
🇩🇪 German :	★★★☆☆
🇮🇹 Italian :	★★☆☆☆
🇪🇸 Spanish :	★★☆☆☆
🇵🇹 Portuguese :	★★☆☆☆
🇫🇷 French :	★★☆☆☆

Dec 2020 – Jul 2021

Chief Product Officer at Applied Universal Mathematics ([https://](https://applieduniversalmathematics.com/)

applieduniversalmathematics.com/)

SUMMARY

The founder of AUM used his knowledge on Advanced Number Theory to develop a practical platform for detecting harmonic points and patterns in time-based datasets, ranging from financial/crypto- data, to public crime data, to historic sunspot datas, and anything inbetween. The software was able to identify datapoints to act upon or to avoid, generating Extremely interesting insights through an alternative look at data and facts

- Practical software implementation of applied universal mathematics and advanced number theory
- Successful prototype dashboard with backtester functionality

Oct 2019 – Mar 2020

Chief Technology Officer / Co-Founder at Mpowa (<https://mpowa.io/>)

SUMMARY

Mpowa wants to revolutionize energy accessibility and distribution by deploying tokenized zero-point energy devices; allowing anyone with a token wallet to consume energy at decentralized generators.

- Technical design of solution and pre-feasibility prototype
- Participated in the 'Yes!Delft Blockchain & AI Accelerator' of 2019

Feb 2018 – Dec 2019

Chief Technology Officer at Jinbi Token (<https://jinbitoken.io/>)

SUMMARY

Jinbi Token aims to offer a blockchain-based smart contract service that delivers a 'sophisticated, safe and stable' instrument for physical gold investments and storage.

- Blockchain & Security Advisor and Core ICO Team member
- Led company through early-stages and ICO acting as de facto ICO Manager
- Helped raise \$47.5 Million from investors
- Secured funds and infrastructure from 24/7 hacking & phishing attacks during ICO

Dec 2018 – Sep 2019

Head of Product at Stealth Startup

SUMMARY

Created an Automated Ethereum platform for spreading, tumbling, mixing, trade volume and cross-blockchain conversion of ETH + ERC20.

- Successfully used on Main Net with \$150 Million worth of ERC20 tokens
- Led the Agile development and UI / UX Design, Architecture, running on our own Node.
- Campaigns are fully autonomous, with auto-healing for failed transactions

Skills & Knowledge



Product Development :

Concepts Prototypes Arduino
Raspberry Pi Coding UI UX Design
Web3 PHP Laravel HTML5 CSS3 JS
Bash Python APIs

Software Architecture :

Func. Req. Tech. Req. Integration
Automation Load Balancing CDN
Blockchain Decentralization Web3
REST

Privacy & Security :

Pentesting MITM Awareness
Wireless Networking Social Engineering
Physical OSINT Anonymity
Counter-Surveillance Anti-Tracking
Encryption Decentralization

Bitcoin :

Blockchain Lightning Network
Cryptography Self Custody Integration
Teaching

Interests



3D Printing Astronomy Drone Racing
Arduino Raspberry Pi HAM Radio SDR
Mathematics Innovation Prototyping

Apr 2017 – Jul 2019

Head of IT Infrastructure & Security at Pillar Project (<https://pillarproject.io/>)

SUMMARY

After having built and joined 25+ startups, I played a crucial role in realising the funding and setting up of a conceptual opensource product that helps take back control over personal data through cryptography and Identity Management on the Ethereum blockchain.

- Raised \$27 Million from investors (\$200M value at ATH) in a 60h Token Sale
- Secured funds and infrastructure from 24/7 hacking & phishing attacks during ICO
- Co-created the London HeadQuarters
- Communicated transparently with 15k investors

Jan 2007 – May 2014

Chief Technology Officer at AppCodex (<https://appcodex.com/>)

SUMMARY

Delivered innovative mobile apps & games as solutions to modern challenges, and to replace archaic legacy approaches and connect the offline to the online, by making use of cutting edge technology with intuitive, user-friendly UIs for both Consumers and Enterprise.

- Transformed an old teaching method for reading, from old wooden board to intuitive iOS app which achieved 10k downloads in the first month and was acquired by Noordhoff Uitgevers Groep (Netherlands largest educational publisher) in 2008
- Released the first iOS App ever to offer Bitcoin payments / exchange functionality in 2010. It intuitively provided market prices, mining and network statistics/charts, a profit calculator and offered exchange functionality (orders + trades). Achieved 50k downloads in first 2 months.

Jan 1997 – Mar 2017

Senior Solution Architect at Freelance

SUMMARY

Provided cost-reducing solutions in IT Service Management to clients in Finance-, Pharmaceutical-, Petrochemical- and Information Technology sectors as a freelance contractor.

- 20+ years of transforming 40+ clients requirements into functional- / technical designs and implementing solutions through enterprise SDLC.
- Clients included: **IBM, Shell, Bayer, Rabobank, Deutsche Bank**, Frankfurt Stock Exchange, WorldCom, Thales and Roche.
- Optimised business processes / procedures and drastically reduced workload and cost of Service Delivery using ITIL best practices.
- Built data-driven strategies and products that boosted Customer Satisfaction.
- Designed & implemented APIs between enterprise IT Systems on Unix/AIX to allow real-time incident resolution between vendors and clients.

Education



Aug 1993 – May 1998

MAVO+HAVO at Herbert Visser College in Nieuw Vennep, Netherlands