

Robert Wessel Blokzijl

Born Vlaardingen, June, 27 1994 – Lives in Delft

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Job Experience

- Jul 2017 - present **Software Developer C++**, *Reac BV*, Rotterdam.
C++, ncurses, PostgreSQL, Jenkins, SVN, Debian Linux.
Working as a part time software developer increasing efficiency by building Linux server installation and maintenance tools.
- Nov 2019 - Feb 2021 **Thesis Blockchain engineering**, *TU Delft*, Delft.
Blockchain, TrustChain, Stablecoin, Digital Euro, Python, VueJS, Android, Kotlin
Researching stablecoins and creating a Proof of Concept for a digital Euro, in cooperation with the AFM to explore the possibilities of blockchain in the Eurosystem.
- Jun 2015 - present **Web Developer**, *Freelance*.
Python, Django, HTML, CSS, JavaScript, VueJS, Firebase
Working as a freelance software developer creating and maintaining an on-the-road accounting app, and hosting and maintaining websites for various clients.
- Feb 2017 - Jun 2017 **Cloud Hosting - Bachelor Thesis**, *Intermax Cloudsourcing*, Rotterdam.
Software Defined Networking, Network Virtualisation, VMware NSX, VMware VShpere, VMware ESXi
Designed and built a VMware NSX lab environment for research and education purposes.
Delivered an advisory report on the workings, costs, benefits and opportunities of VMware NSX for a hosting company like Intermax.
- Sep 2015 - Feb 2017 **Cybersecurity Analyst**, *Fox-IT*, Delft.
WireShark, Intrusion Detection Systems, Snort, Ransomware, Exploit kits, Advanced Persistent Threats
Time sensitive analysis of potentially malicious traffic in mission critical customer networks.
- Sep 2015 - Jan 2016 **Cyberthreat monitoring Internship**, *Fox-IT*, Delft.
Sagan log analysis engine, Bro network security monitor
To expand Fox-IT's anomaly detection capabilities I researched the capabilities and differences of Sagan and Bro in a lab environment.

Education

- Sep 2018 - Feb 2021 **Master Computer Science**, *Delft University of Technology*, Delft.
Security and Cryptography, Networking, Advanced Algorithms

My thesis project involved developing a Digital Euro based on the TrustChain blockchain. It involved development in Python, and Kotlin/Android, integration with the Tikkie API, and a field trial with the Netherlands Authority for the Financial Markets (AFM).

Sep 2017 - Jul 2018 **Bridging Program, Master Computer Science, Delft University of Technology, Delft.**

Linear Algebra, Software Quality and Testing, Web and Database Technology

Sep 2013 - Jul 2017 **Technische Informatica, The Hague University of Applied Sciences, Delft.**

CCNP Routing & Switching, Programming in C and C++, PLC Programming.

Aug 2012 – Jun 2013 **Pre-university education, Valdres VGS, Leira, Norway.**

Aug 2010 – Jun 2012 **Electro - Norwegian trade school, Valdres VGS, Leira, Norway.**

Specialisation in Data- and Electronics

Other Skills

Languages Dutch: (Mother tongue).

English, Norwegian: (Proficient, oral and written)

Drivers Licence B class

Programming General development: C/C++, Java, Python

App development: Android/Java, Kotlin

Web development: Vue, Django, Firebase, HTML, CSS, JavaScript, SQL, REST, SPA, PWA

Technical Proficiencies Systems: GNU/Linux (Arch, Debian, Ubuntu) - daily personal and professional use since 2014

Virtualisation: VMware ESXi, vSphere, NSX, vSAN, Virtual Box, KVM

Networking: Architecture design, TCP/IP, OSI, Routing, Switching, Troubleshooting, Cisco, Juniper

Security: Snort, BRO network monitor, Firewalling, VPN, PGP,

Other proficiencies: Git, svn, GNU/Linux CLI tooling

Other Interests and Activities

Brazilian Jiu Jitsu White belt

Frequent participant in competition

Home automation Using: Linux, Raspberry pi, Networking equipment, Wifi and Zigbee Based sensors and actuators, Homemade electronics

Workstation optimisation Using: Linux, i3, Vim, Bash, git, etc.