

Robert Wessel Blokzijl

Born Vlaardingen, June, 27 1994 – Lives in Delft

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Work Experience

May 2021 - present **DevOps Cloud Engineer**, *Hunt & Hackett BV*, Den Haag.

Terraform with GCP and GitHub providers, Cloud Build, Compute Engine, IAM, IAP/Zero Trust, Networking, HashiCorp Vault, and various other DevOps tools

Designing, developing and continuously improving infrastructure for a multi-technology Managed Detection and Response (MDR) platform with highly automated on boarding of new customers.

Designing, developing and continuously improving a centralized point of control for all pipelines, development tooling, other organizational resources and access control for multiple business units in a standardized automated and secure manner managed from a single git repository following Everything as Code practices and with strong RBAC/POLP adherence.

Jul 2017 - Jan 2021 **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 - Jul 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, to explore the possibilities of blockchain in the Eurosystem.

Jun 2019 - 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 - Jul 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

Development General development: Python

App development: Android/Java, Kotlin

Web development: Vue, Django, Firebase, HTML, CSS, JavaScript, SQL

Technical Proficiencies Cloud: GCP, Azure, Terraform

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 Blue belt

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

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