

## Contact

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## Top Skills

Security Audits  
Systems Engineering  
Cloud Security Architecture

## Languages

English (Native or Bilingual)  
German (Elementary)

## Publications

Article archive on ChannelFireball

# Marius van Zundert

Co-Founder at Cerberos | Security Officer | Engineer & Ethical  
Hacker

Tilburg, North Brabant, Netherlands

## Summary

Co-Founder at Cerberos | Security Officer | Engineer & Ethical  
HackerAs a co-founder of Cerberos and Security Officer at Tilaa,  
I bring over twenty years of experience to the intersection of high-  
performance engineering and offensive cybersecurity. My work  
is defined by a dual-lens approach: building resilient, scalable  
systems and then rigorously testing them through red teaming,  
penetration testing, and deep code audits. While my foundation  
is built on nearly two decades of PHP and Laravel development,  
my current focus is on a multi-stack approach to problem-solving.  
I build memory-safe systems in Rust, high-concurrency operator  
tools in Go, and custom exploit scripts and Metasploit modules in  
Python and Ruby.  
**Core Competencies**  
**Offensive Security:** Specialized  
in security audits, penetration testing, red teaming, and PHP-  
specific security vulnerabilities. **Systems Architecture:** Designing  
secure infrastructure with a focus on zero-trust principles,  
**Multi-stack  
Development:** Engineering full-scale platforms and integrations using  
Laravel (PHP), while building low-level utilities and performance-  
critical software in Rust, Go, and Python.  
**Data Integrity:** Expert in  
migrating and optimizing complex datasets from legacy MySQL/  
MariaDB environments to PostgreSQL.  
**Compliance &  
Governance:** Leading security architecture, IAM governance, and  
ISO 27001/9001 compliance frameworks. The Cerberos Tech  
StackI am a firm believer in using the right tool for the specific  
security or performance requirement:  
**Primary Languages:** PHP  
8.x (Laravel), Rust, Go, Python, Ruby.  
**Environment:** Arch Linux  
(Hyprland) / Fedora Atomic, NeoVim, Docker (Distrobox).  
**Database:**  
PostgreSQL, MariaDB, MongoDB. Based in the North Brabant  
region, I am dedicated to pushing the boundaries of what it means to  
build "secure by design" software while actively researching the next  
generation of cybersecurity threats.

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## Experience

Tilaa

Security Officer

October 2025 - Present (9 months)

's-Hertogenbosch

As Security Officer, I am responsible for the strategic and technical security posture of the organization. My role focuses on building a resilient security framework that balances rigorous regulatory compliance with high-performance cloud architecture.

- Security Architecture & Design: Designing, implementing, and maintaining a hardened security architecture tailored for cloud infrastructure environments.
- Identity & Access Governance: Overseeing the administration and auditing of all Identity and Access Management (IAM) systems to ensure zero-trust principles across the organization.
- Vulnerability & Threat Management: Managing continuous security scanning and vulnerability identification, while driving the technical remediation efforts to mitigate emerging threats.
- Compliance: Ensuring ongoing adherence to global security frameworks, including ISO 27001, ISO 9001, and PCI-DSS, as well as strict regulatory alignment with GDPR.

Incident Response & Coordination: Actively coordinating incident response efforts and performing post-mortem analyses to continuously strengthen the organization's defensive layers.

Cerberos

Co-Founder

August 2019 - Present (6 years 11 months)

Udenhout

As a co-founder of Cerberos, I partner in all aspects of the business, from high-level security consultancy to the hands-on engineering of secure systems. My work is grounded in a "Secure by Design" philosophy, balancing offensive security testing with the development of resilient, high-performance software.

Offensive Security & Execution

- Security Testing: Conducting end-to-end security audits, red team operations, and penetration testing to identify architectural and logic-level vulnerabilities.
- Exploit Development: Developing specialized security tools, including custom Python exploit scripts and Ruby modules for the Metasploit framework.
- Code Auditing: Performing manual and automated security reviews, with a deep focus on PHP/Laravel vulnerabilities and memory safety in systems-level languages.
- Community & Education: Delivering guest lectures and speaking engagements at educational institutions and industry events to promote security awareness and best practices in ethical hacking.

#### Multi-Stack Engineering & Systems

- Systems Programming: Building memory-safe utilities in Rust and high-concurrency operator tools in Go to solve complex technical challenges.
- Web Platforms: Developing and maintaining scalable online platforms using Laravel and Vue.js, including secure integrations with providers like AFAS, Exact, and Vimeo.
- Data Integrity: Executing complex data migrations, specializing in moving legacy MySQL/MariaDB environments to high-integrity PostgreSQL architectures.
- DevSecOps Automation: Building and managing hardened deployment pipelines (Envoyer/Forge) integrated with automated testing and security refactoring workflows.

#### Technical Ecosystem

- Operating Systems: Arch Linux (Hyprland), Fedora Atomic, macOS.
- Engineering: NeoVim, Git/GitHub, Docker (Distrobox), Nginx.
- Languages: PHP 8.x, Rust, Go, Python, Ruby.
- Databases: PostgreSQL, MariaDB, MongoDB.

Spring Digital (formerly You Are Digital / Webcolors Group)  
Back End Developer

February 2017 - August 2019 (2 years 7 months)

Oosterhout

During my tenure at this organization (originally Webcolors Group, later rebranded to You Are Digital and Spring Digital), I focused on building secure, scalable online platforms and complex third-party integrations.

- Platform Development: Engineered robust online platforms using Laravel and Vue.js.
- Secure Integrations: Developed and maintained high-stakes integrations with Exact Online, AFAS, iMuis, Vimeo, Clickmeeting, and Hostfact.
- Infrastructure & Security: Managed and configured production servers (Digital Ocean) and deployment pipelines via Envoyer and Forge, ensuring consistent security standards across all environments.
- Operational Support: Supported the team as a Jira administrator and provided Scrum Master assistance to streamline development workflows.
- Security Focus: Performed regular code refactoring and audits to ensure application resilience against common vulnerabilities.

Tech Stack: PHP 7.\*, Nginx/Apache, MySQL/MariaDB, MongoDB, Docker, Git, NeoVim.

ezCompany

Developer

June 2016 - January 2017 (8 months)

Tilburg Area, Netherlands

Drupal backend development using:

- Linux (Ubuntu 16.04)
- MySQL
- Git
- PHP (7)
- Gitlab
- Drupal
- Jenkins
- Drush
- NGINX

## STUDIÖ iBiZZ

Backend developer

November 2014 - June 2016 (1 year 8 months)

Etten-Leur

Backend Development using:

- Studio iBiZZ own CMS (WingZZ)
- MySQL
- Mercurial
- PHP
- BitBucket

Mostly working on various car selling platforms in the Netherlands, Belgium and France.

## Netvlies Internetdiensten

Backend Developer

October 2013 - October 2014 (1 year 1 month)

Working on several projects in Drupal as well Non-Drupal focussing on Marketing Solutions using mostly the following:

- Linux (Ubuntu 14.04)
- MySQL
- Git
- PHP
- BitBucket
- Netvlies own custom CMS (OMS)
- Open Source deployment tool Organist (<https://github.com/organist/organist>)
- Drush

## WIAL bv

Software Developer

February 2013 - October 2013 (9 months)

Etten-Leur

- Supporting the design, development and testing of different types of applications
- Developing new features in existing applications
- Translating functional designs to technical designs
- Bugfixing

- Creation of a helpdesk system (sharepoint) for call registration and monitoring
- Creation of documentation regarding the existing applications and procedures

## Channel Fireball

Freelance Features Writer

April 2011 - January 2013 (1 year 10 months)

Writing strategy game related content.

## NCVB

Senior software developer

September 2005 - January 2013 (7 years 5 months)

Tilburg

Development and maintenance of the custom build (inhouse) student administration and tracking system using ASP,HTML, JQuery, MSSQL.

Other responsibilities during this function:

- User training and support. (helpdesk)
- Release management. (Subversion)
- Maintenance on the test and production server. (backups, etc)
- Maintenance on the Developers private network including wireless guest network.
- Intern coach for 3 IT interns. (MBO 3/4)
- Main IT contact for customers and other departments.
- General IT support.
- main contact for some IT supply purchases for example developer workstations, servers but also printer cartridges, etc.

## Cockatrice

Freelance Software Developer (open source project)

June 2010 - January 2011 (8 months)

Project description

Cockatrice is an open-source multiplatform software for playing card games, such as Magic: The Gathering, over a network. It is fully client-server based to prevent any kind of cheating, though it supports single-player games without a network interface as well. Both client and server are written in Qt 4.

License

Cockatrice is fully GPL licensed and thus free software.

### Development status

Cockatrice is being actively developed by Max-Wilhelm Bruker (brukie at gmx dot net), Marcus Schütz and Marius van Zundert. At the moment, while it is fully possible to use Cockatrice for playtesting purposes, it is not ready for online tournaments yet due to a lack of deck list security and some other important functions. We aim to resolve these issues shortly.

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## Education

### Curio

MBO, Software Development, Network Engineering · (2001 - 2005)

### Cap Gemini

Microsoft Certified Application Developer (MCAD) · (2005 - 2005)

### Munnikeheide

High School · (1997 - 2001)