

CURRICULUM VITAE

Antonius

Intelligence Type: Polymath

Skills & Knowledge

- Web hacking
- Server hacking
- Computer network hacking
- Development of intelligence devices
- Development of hacking applications for hackers
- Development of hacker hardware (e.g., Wi-Fi hacking tools)
- Robotics development
- Electronics
- Basic electrical engineering
- Mathematics
- Artificial intelligence (LLM/chatbot development, deep learning)
- Computer vision
- Solar-powered electricity generator development
- IoT device development & IoT security research
- Mechanical engineering (specializing in robotics)
- Programming (languages: Python, C, C++, Java / Android Studio, PHP, VB.NET)

Other Knowledge (Non-Professional)

- Musical instruments (fingerstyle guitar & keyboard)
- Martial arts (Muay Thai, BJJ, Taekwondo, Boxing)
- Chess

Legal Hacking Track Record

- **2013** – Penetration testing on PSDG Bandung
- **2013** – Penetration testing on an application supplier company for XL
- **2013** – Penetration testing on the KSEI network (Kustodian Sentral Efek Jakarta – subsidiary of BEJ)
- **2014–2015** – Hacking various radical Islamist websites (contract work with BNPT)
- **2014–2015** – Terrorist data tracking (contract work with BNPT)
- **2016–2018** – Penetration testing on IDN Play network (largest gambling company in Asia) – twice
- **2016–2018** – Penetration testing on Lippo Homes website
- **2016–2018** – Penetration testing on Ministry of Energy and Mineral Resources (ESDM) network and website
- **2016–2018** – Penetration testing on Meikarta network and website
- **2026** – Penetration testing on a Kubernetes cluster of a US-based company

Hacking Track Record (Non-Legal)

- **Pre-2012** – Hacked various Indonesian government websites
- **Pre-2012** – Hacked various foreign websites
- **Pre-2012** – Hacked 2 US hacker servers
- **Pre-2012** – Hacked a Malaysian hacker server (Dark Malaysia)
- **Pre-2012** – Hacked the Indonesian hacker web server nyubicrew
- **2013** – Defaced the Directorate General of Taxation website (pocong image incident)
- **2013** – Replaced the antihackerlink website appearance (defaced by Jack Marshall)
- **2013** – Defaced yogycarderlink (Yogyakarta-based hacker group)
- **2013** – Gained access to a Malaysian domain registrar network
- **2013** – Gained access to an Indonesian domain registrar network (pandi.or.id)
- **2013** – Gained access to a Malaysian ISP
- **2023** – Gained access to Angkasa Pura's internal network
- **2024** – Hacked a Cambodian gambling website
- **2026** – Hacked several ISPs in China
- **2026** – Hacked the network and website of a Chinese digital health company
- **2026** – Hacked Alibaba Cloud (Aliyun) cloud computing network

Related news coverage:

- Kontan – Pocong image on tax website – <https://nasional.kontan.co.id/news/ada-gambar-pocong-di-situs-pajak>
- Tribunnews – Pocong on tax website (1) – <https://www.tribunnews.com/nasional/2013/12/14/ada-pocong-di-beranda-situs-pajak>
- Kompasiana – tax site defaced – <https://www.kompasiana.com/nurulloh/55283ae1f17e61c02d8b45a0/situs-pajak-go-id-berubah-jadipocong>
- Tribunnews Jabar – Pocong on tax website (2) – <https://jabar.tribunnews.com/2013/12/13/gambar-pocong-muncul-di-situs-web-pajak>
- Linuxsec – yogycarderlink defaced – <https://exploit.linuxsec.org/yogycarderlink-kena-deface-lagi/>

Products & Prototypes

Pre-2014 – Various electronic experiment prototypes

2014 – Ultrasonic Robot

Capability: Autonomous navigation with obstacle avoidance

Video: youtube.com/shorts/_Ax_Arhezkg

2015 – Haxtronic Robot (Hacker Robot)

Capability: Wi-Fi hacking, IT security education, answering questions about hacking techniques & exploits

Video: youtube.com/watch?v=Uqza2NjB4Zo

2016 – INEM Robot

Function: Remote-controlled robot via Android app/web, equipped with camera for surveillance (miniaturized version usable as a spy robot)

Video: youtube.com/watch?v=A9sNiej7nts

2016 – AirHax (Wi-Fi Hacking Hardware Prototype)

sw0rdm4n.wordpress.com/category/airhax/

2017 – PLC Program with Python

Function: Access control for airport waiting room entrance

youtube.com/watch?v=IPej23mpBCE

2020 – Solar Electricity Generator Prototype (Freenergi)

Solar-powered electricity generator prototype developed for Freenergi.

2021 – IoT Products (Robotsoft)

[Robotsoft IoT Products Brochure](#)

2021 – Giant Robot

github.com/antoniuserobotsoft – Giant Robot

2022 – Robomall Robot Prototype

Concept: Physical robots placed inside a shopping mall (with management permission), equipped with camera, sensors, speaker, and monitor. People can remotely browse and shop at the mall by controlling these robots online via WebRTC — no need to commute to the mall.

Note: The robot has been dismantled because the creator was unable to obtain an operating permit from the mall.

Exploits, Shellcodes, Rootkits & Tools

- Bind port shellcode – <https://packetstorm.news/files/id/86685/>
- Apache Tomcat directory traversal exploit – <https://packetstorm.news/files/id/92240/>
- FreeBSD shellcode – <https://packetstorm.news/files/id/101779/>
- Polkit exploit – <https://packetstorm.news/files/id/105627/>
- Apache DoS exploit – <https://packetstorm.news/files/id/107923/>
- Remote Minalic HTTP Server exploit – <https://packetstorm.news/files/id/121363/>
- Linux kernel rootkit for kernel 2.6 and 3.x – <https://packetstorm.news/files/id/128945/>
- Open source DNS daemon for Linux, FreeBSD, and NetBSD – <https://packetstorm.news/files/id/141606/>
- Linux kernel 5.8–5.15 DirtyPipe exploit – <https://packetstorm.news/files/id/214709/>
- Devilzc0de SQL injection tool – <https://github.com/tuwid/darkc0de-old-stuff/blob/master/devilzc0de.py>
- BDS LKM Rootkit – Linux kernel rootkit for 5.x–6.2
- BDS LKM Ftrace Rootkit – Linux kernel rootkit for 5.x–6.2 using ftrace tracing framework
- BDS FreeBSD – kernel rootkit for FreeBSD 13
- OpenSSH 8 Trojanized – modified to log passwords – https://github.com/bluedragonsecurity/openssh8_trojanned
- Jenkins Bruter – brute force tool for Jenkins – https://github.com/bluedragonsecurity/jenkins_bruter
- Evil Cowrie – SSH MITM tool, modified from Cowrie – <https://github.com/bluedragonsecurity/evil-cowrie>

Applications & Programs

- VB.NET inventory stock application – <https://github.com/antoniuserobotsoft/PROGRAMMING-AND-SOURCE-CODES/tree/main/vbnet>
- Android application – IndoTalent – <https://github.com/antoniuserobotsoft/PROGRAMMING-AND-SOURCE-CODES/tree/main/java/IndoTalentOnline>
- Android inventory stock application – <https://github.com/antoniuserobotsoft/PROGRAMMING-AND-SOURCE-CODES/tree/main/java/SimpleStockInventory>
- rsharp – Python tool for image sharpness analysis – <https://github.com/antoniuserobotsoft/PROGRAMMING-AND-SOURCE-CODES/tree/main/python/rsharp>

- phttpd – HTTP server in Python – <https://github.com/antoniuserobotsoft/PROGRAMMING-AND-SOURCE-CODES/tree/main/python/phttpd>
- Python bots collection – <https://github.com/antoniuserobotsoft/PROGRAMMING-AND-SOURCE-CODES/tree/main/python/bots>

Publications & Writings

Mathematics

- https://bluedragonsec.com/var/math/forward_kinematic_using_trigonometry.pdf
- https://bluedragonsec.com/var/math/math_article_matrix_laplace_and_sarrus.pdf
- https://bluedragonsec.com/var/math/math_calculus_first_order_partial_derivative.pdf
- https://bluedragonsec.com/var/math/math_inverse_and_pseudo_inverse_using_svd.pdf

Artificial Intelligence

- https://bluedragonsec.com/var/ai/convnet_cardboard-box-detection-and-localization-usingretinanet.pdf
- https://bluedragonsec.com/var/ai/convolutional_neural_network_for_object_recognition_and_detection.pdf

Electronics

- <https://bluedragonsec.com/var/robotic/Basic%20Electric%20Circuit%20Laws.pdf>
- <https://bluedragonsec.com/var/robotic/Making%20an%20Electronic%20Torch%20-%20Schematic%2C%20PCB%20Version%20and%20Breadboard%20Version.pdf>
- [https://bluedragonsec.com/var/robotic/Motor%20DC%20Control%20\(1%20direction%20only\)%20Using%20ULN2803%20\(Darlington%20Array%20Transistor\).pdf](https://bluedragonsec.com/var/robotic/Motor%20DC%20Control%20(1%20direction%20only)%20Using%20ULN2803%20(Darlington%20Array%20Transistor).pdf)
- [https://bluedragonsec.com/var/robotic/Switch%20Based%20on%20Contact%20\(SPST%2C%20SPDT%2C%20DPST%2C%20DPDT\).pdf](https://bluedragonsec.com/var/robotic/Switch%20Based%20on%20Contact%20(SPST%2C%20SPDT%2C%20DPST%2C%20DPDT).pdf)
- <https://bluedragonsec.com/var/robotic/Traffic%20Light%20With%20Push%20Button%20Control.pdf>
- <https://bluedragonsec.com/var/robotic/controlling-many-servos-using-tlc5940.pdf>

Robotics

- <https://bluedragonsec.com/var/robotic/UltraSonic-Robot.pdf>

IT Security

- IT Security Training Materials for Brimob – <https://github.com/bluedragonsecurity/MATERI-TRAINING-IT-SECURITY-1-BRIMOB>
- Medium blog (@w1sdom) – <https://medium.com/@w1sdom>
- Blue Dragon Security Docs (ID) – <https://bluedragonsec.com/docs/>
- Blue Dragon Security Docs (EN) – <https://bluedragonsec.com/docs-en/>
- SLAB sheaf union-state confusion – Linux kernel 7 UAF exploitation technique – <https://github.com/bluedragonsecurity/slab-sheaf-union-state-confusion-linux-kernel-7-uaf-exploitation-technic>
- GitHub repositories – <https://github.com/bluedragonsecurity?tab=repositories>

Professional Description (SEO)

- *Antonius is an independent IT security researcher in Indonesia focusing on low-level vulnerabilities and exploit development.*

- *Antonius is an independent IT security researcher in Indonesia focusing on Linux kernel vulnerabilities and exploitation.*
- *Antonius is an independent IT security researcher in Indonesia focusing on Android vulnerabilities and exploitation.*
- *Antonius is an independent IT security researcher in Indonesia focusing on iOS vulnerabilities and exploitation.*
- *Antonius is a hacker with a combination of hardware hacking, electronics & low-level exploitation.*