JELMER DE HEN

Security Researcher

@ jelmer@gcb.io · in jelmerdehen · ○ JelmerDeHen · ● Netherlands

Seasoned security researcher with over a decade of expertise in application security, red teaming, and reverse engineering. Specialized in mobile security and threat hunting, I have consistently identified and mitigated critical vulnerabilities including high-impact Android flaws affecting over a billion devices.

EXPERIENCE

Head of Android R&D

Trail of Bits / iVerify

📅 2022 – 2024   ● New York, United States

- Led the Android threat-hunting initiative, developing solutions to identify mercenary spyware on mobile devices.
- Directed Android malware identification efforts targeting high-profile targets in civil society and tech.
- Developed and implemented advanced malware detection capabilities for Android.
- Development of the iVerify Android application and backend infrastructure.

Senior Information Technology Consultant

Include Security

📅 2020 – 2022   ● New York, United States

- Performed secure code reviews and penetration testing for Fortune 500 clients, resolving critical vulnerabilities and delivering detailed technical reports.

Senior IT Security Researcher

Cycura

📅 2015 – 2020   ● Toronto, Canada

- Conducted secure code reviews, black/whitebox engagements, incident response, exploit development, development of implants and performing physical security audits.
- Auditing the security of critical infrastructure in sectors such as healthcare and energy.

Founder

General Cyber Ballistics

📅 2014 – Present   ● Universe, Earth

- Deliver IT security services such as secure code audits and penetration testing.
- Perform deep security research and build tooling to assist this.
- Contributed to Bug Bounty programs on platforms like HackerOne, Bugcrowd, and Synack, identifying many critical vulnerabilities over time. Also took part in live hacking events of HackerOne, winning a few.

KEY SKILLS

Reverse Engineering   Application Security
Threat Hunting   Android Security
Report Writing   Fuzzing   Assembly
Embedded Security

PROGRAMMING

Language	Level
Go	●●●●●
PHP	●●●●●
JavaScript/TypeScript	●●●●●
SQL	●●●●●
Kotlin	●●●●●
Java	●●●●○
C	●●●●○
Python	●●●●○
Node.js	●●●●○
Smali	●●●○○
C++	●●○○○

LANGUAGES

Language	Level
Dutch	●●●●●
English	●●●●●
French	●●●○○
German	●●●○○

Forensics/eDiscovery

Holland Integrity Group

📅 2011 – 2014   📍 Almere, Netherlands

- The collection, digitization, conversion (OCR), and data indexing to assist financial fraud investigations.
- Parsing of unknown file formats, making them usable for investigators.
- Supervise the digitization process of physical documents.

Fullstack Developer

E11EVEN

📅 2011 – 2014   📍 Apeldoorn, Netherlands

- Development of APO11O – a platform to load data, index it, make it searchable, and collaboratively perform investigations.
- Facilitate IT security services such as penetration testing, incident response, and computer forensics.

Content Manager

Certified Secure

📅 2010 – 2011   📍 The Hague, Netherlands

- Created hacking challenges and educational content in the form of guides and videos.
- Research and publish computer security research with the community.
- Maintain activity on social channels.

HONORS & AWARDS

- Google Security Hall of Fame (Aug 2011)
- Barracuda Bug Bounty Hall of Fame (Mar 2013)
- Mozilla Web And Services Bug Bounty Hall of Fame (Nov 2013)
- Detectify Hall of Fame (Nov 2013)
- Salesforce Hall of Fame (Jan 2016)

HACKERONE EVENTS

- H1-702 2016 (2nd place)
- H1-415 2017
- H1-702 2017
- H1-3120 2018
- H1-702 2018 (1st place, team)
- H1-4420 2019