# Introduction -

With 15 years of experience in engineering, evolving between security and software engineering, I like to deal with projects combining these two skill sets. I acquired multiple domain experiences and assembled them to produce innovative solutions.

Furthermore, my experience in development, as well as my curiosity for new technologies, allow me to look forward to the future. Finally, I put fundamental importance on sharing knowledge and skills within my job environment.

Eager to learn, I'm always looking for challenges and exploitation of new knowledge.

#### Persona -

- Autonomous
- Ambitious
- Versatility
- Verbosity
- Taking initiative
- Self-critical

## Career objectives

- Security Software Architect
- Security / Privacy Engineer
- Instruction / Mentoring
- Expertise / Consulting

## Target Domains

- Identity Management
- Application Security
- IoT
- Aerospace
- Banking

## Languages -

- French; native speaker
- English; professional and talks

#### Education

 2008 - IUP ISI, Toulouse, France, Master's degree in Computer Science, Metamodeling & Critical System Engineering

### References -

Available upon request

Github

## Links -



https://linkedin.com/in/zenithar



https://github.com/zenithar



https://github.com/zntrio



Blog https://blog.zenithar.org



Detailed CV https://bit.ly/zenithar-cv-en

# Miscellaneous



Drumming



Cooking



Technology Watch



Blog / Tech Writing

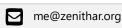




Home renovation

Updated on 2023-02-07





+33(0) 668 666 396

Since 2022

2019 - 2022

2017 - 2019

2013 - 2017

2010 - 2013

2008 - 2010

https://github.com/elastic/harp

https://github.com/zntrio/solid

https://github.com/zntrio/paseto

# Thibault NORMAND

# Security Engineer / Software Engineer / Instructor

Full time / Part-time / Freelance

# Work Experience

## Datadog | Distributed

Senior Security Engineer

- Product security / privacy review (8 lang. / 160 teams)
- Threat modelling / Risk assessment
- Application Security consulting (Backend, Authentication, Cryptography)
- Secure by design internal Go framework
- Vulnerability hunting at-scale via CodeQL

## Elastic | Distributed

Senior Software Engineer

- Endgame endpoint fleet management platform
- Legacy application maintenance

# Senior Security Engineer

- OSS Secret management by contract toolchain (Elastic Harp)
- Cloud Security operations
- Privacy operations

# Continental Digital Service France

Senior Security Engineer / Product Owner

- Automotive IoT Identity & Authorization platform
- Privacy by design service engineering
- Cyber Security audits and consulting
- Security / Privacy code review

## Sogeti France

Cyber Security Expert / Software Architect / FullStack

- CERT / SOC / Blue Team
- Technical Threat Intelligence platform
- Malware analysis platform

#### Infotel

Security Savvy Developer / Scrum Master

Digital safe platform

## Scassi Conseil

Security Consultant / Software Engineer

- SOC / Blue Team
- Security code review
- Instructor / Awareness

# Personal Projects

- Secret management by contract (Go)
- An OIDC authorization server building blocks with security and privacy by design philosophy (Go)
- PASETO v3/v4 (Go)
- Permutation engine for typosquatting generator (Go) https://github.com/zntrio/typogenerator
- QRCode based OOB proof of authentication protocol (VerifPal / Go)

## Skills

Creative thinking Vision builder Problem solving

Pedagogy Public Talk

Architecture / Design Information Security Project Management

Data Management **Privacy Engineering** 

**Backend Development** Frontend (if really required)

Security by design Cryptography Authentication

Kubernetes AWS / GCP

Golang Java Python / Ruby

OAuth/OIDC expertise **IETF Working Groups**