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

Links

- https://linkedin.com/in/zenithar
- Github https://github.com/zenithar
- Github https://github.com/zntrio
- Blog https://blog.zenithar.org

Miscellaneous

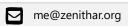- Drumming
- Cooking
- Technology Watch
- Blog / Tech Writing
- Home Automation
- Home renovation

Updated on 2023-04-11

Toulouse, France   me@zenithar.org   +33(0) 668 666 396

Thibault NORMAND

Senior Security Software Engineer

Full time / Part-time / Freelance

Work Experience

Datadog | Distributed — Since 2022
Senior Security Engineer
- Product security / privacy review (8 lang. / 160 teams)
- Threat modelling / Risk assessment
- Secure by design corporate framework [Go, Python]
- Vulnerability hunting at-scale via CodeQL

Elastic | Distributed — 2019 - 2022
Senior Security Software Engineer
- Endgame endpoint fleet management platform
- Legacy application maintenance [Go, Python, React/JS]
- Operation and Customer support (>300 instances / >5M endpoints)

Senior Security Engineer
- Harp - OSS Secret management by contract toolchain [Go, Crypto]
- Cloud Security operations [Terraform, Vault] (3 providers / 88 regions)
- Privacy operations automation [GDPR / CCPA, Go]

Continental Digital Service France — 2017 - 2019
Senior Security Software Engineer / Product Owner
- Automotive IoT Identity & Authorization platform [Go, OAuth]
- Privacy by design service engineering [GDPR, Crypto]
- Security / Privacy code review [Go, Python, Java, C++]

Sogeti France — 2013 - 2017
Senior Security Software Engineer
- CERT / SOC / Blue Team
- Technical Threat Intelligence platform [Go, Neo4j, gRPC]
- Malware analysis platform [Go, MongoDB, Cuckoo]

Infotel — 2010 - 2013
Security Software Developer / Scrum Master
- Digital safe platform [Java, Spring, OAuth]

Scassi Conseil — 2008 - 2010
Security Consultant / Software Engineer
- SOC / Blue Team
- Security code review [Java/J2EE, C#, Python, C++, Ruby, PHP]
- Instructor / Awareness

Personal Projects

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

Skills

Creative thinking	Data Management	Kubernetes
Vision builder	Privacy Engineering	AWS / GCP
Problem solving		
	Backend Development	Golang
Pedagogy	Frontend (if really required)	
Public Talk		Java
		Python / Ruby
Architecture / Design	Security by design	
Information Security	Cryptography	OAuth/OIDC expertise
Project Management	Authentication	IETF Working Groups