

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

- LinkedIn <https://linkedin.com/in/zenithar>
- Github <https://github.com/zenithar>
- Github <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 Automation
- Home renovation

Updated on 2023-02-07

Thibault NORMAND

Security Engineer / Software Engineer / Instructor

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
- Application Security consulting (Backend, Authentication, Cryptography)
- Secure by design internal Go framework
- Vulnerability hunting at-scale via CodeQL

Elastic | Distributed 2019 - 2022

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 2017 - 2019

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 2013 - 2017

Cyber Security Expert / Software Architect / FullStack

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

Infotel 2010 - 2013

Security Savvy Developer / Scrum Master

- Digital safe platform

Scassi Conseil 2008 - 2010

Security Consultant / Software Engineer

- SOC / Blue Team
- Security code review
- 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 | | |
| Pedagogy | Backend Development | Golang |
| Public Talk | Frontend (if really required) | Java |
| Architecture / Design | | Python / Ruby |
| Information Security | Security by design | |
| Project Management | Cryptography | OAuth/OIDC expertise |
| | Authentication | IETF Working Groups |