

# THOMAS IEONG

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Strasbourg

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## SKILLS

- **Languages:** Scheme(Guile), Python, PHP, Javascript, Powershell, Bash
- **Tools:** Emacs, Guix, Nix, Terraform, Pulumi, Ansible, Git, Drone(CI/CD), Selenium, Docker, Molecule, Gitlab, Sonarqube, OpenStack, Traefik, Proxmox, OWASP ZAP, Burp Suite, PostgreSQL, Grafana, Loki, Promtail, Confluence, Jira
- **Platforms:** OVH, Heroku, Vultr, Scaleway, Nubo (French GovCloud that is OpenStack based), AWS

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## PROJECTS

- Set up an entire infrastructure consisting of a mail server (postfix, rspamd, dovecot), blog, grafana, prometheus, filegator... thanks to Terraform and Ansible on the public cloud of OVH.  
<https://git.sr.ht/~tieong/terraform-ovh>
- Powershell script that allows to programatically sets up a number of virtualbox machine, it is a thin wrapper of the vbox command line.  
<https://git.sr.ht/~tieong/Pwsh4VirtualBox>
- Python web scraper that fetch bank statements from BNP and HelloBank  
<https://git.sr.ht/~tieong/birand>

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## EXPERIENCES

### Open source

Contributed to Guix a functional package manager, added docs on integration with multiple cloud providers such as OVH and Vultr and contributed some packages and services definition.

### Software Engineer - DGFIP

*October 2021 - Now  
Strasbourg*

- Contributed to a Symfony app that consolidates multiple internal apps into one unified interface, added more endpoints to the REST API and refactored the API authentication to use JWT.

Automated vulnerability testing with OWASP ZAP, manual tests with Burp.

Added multiple scanner for code quality (phpstan, phpcs, psalm...) and for security (Trivy, gitleaks).

Added prometheus metrics in our application code and setup a Grafana/Loki/Promtail stack and Alertmanager to get alerts in our matrix instance (Tchap).

Integrated Maubot with Tchap to interact with internal services and get notifications.

Reduced selenium test suite run time by 50% thanks to parallelization.

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## EDUCATION AND CERTIFICATIONS

Portswigger (Web Security Academy)

*January 2024*

AWS Certified Solutions Architect and Sysops Associate

*January 2024*

CCNA (Cisco Certified Network Associate)

*February 2023*

Université Paris-Saclay

*September 2017 - December 2020*

*Economics Bachelor*