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# Thomas Ayih-Akakpo

## Software Engineer

### PROFILE

**10 years** of experience

Experience in **design** and **architecture** of distributed web services.

Interests in **back-end development**, **DevOps**, **Embedded systems** and **Machine Learning**

**Open Source** advocate  
**Python** charmer,  
**Emacs** user :)

### EDUCATION

● **September 2008 - September 2010**  
**ESMT (Dakar, Senegal)**

*MSc in Telecommunications*

*Waves physics, Mobile networks architecture and services, network routing algorithms, statistics*

● **September 2005 - September 2008**  
**ESMT (Dakar, Senegal)**

*BSc in Engineering Sciences*

*Applied mathematics, automation, computer science, computers architecture, programming*

### SKILLS

Sharpened skills in **Python**

Embedded electronic programming with **C++**

**Backend** development with **Flask, Django**

**ERP** programming with **Odoo**

**OS:** Linux, MacOS

**Infrastructure:** git, docker, vagrant, heroku

### LANGUAGES

French ●●●●●

English ●●●●●

Spanish ●●●

### EXPERIENCES

● **September 2020 - now**

**Code & Scale, Antananarivo - Madagascar**

**Software Engineer - Part-time**

*Software engineer in charge of web and AI projects.*

*Python, Java, React*

● **November 2021 - now**

**Acipenser Madagascar, Antananarivo - Madagascar**

**Chief Information Officer - Full time**

*Redesigning the information system of the company to ease the use of data in forecasts, marketing and sales. Leading the development team in the creation of better web UI/UX*

*Python, Django, React*

● **November 2018 - October 2021**

**Acipenser Madagascar, Mantasoa - Madagascar**

**Chief Information Officer - Full time**

*In charge of software development, helping the sturgeon farm into its digitization process.*

*Designing internal tools for better forecast and productivity.*

*Python, Django*

● **January 2017 - July 2018**

**Blueline, Antananarivo - Madagascar**

**Lead Software Engineer**

*Developed and customized software for diverse needs.*

*Successfully oriented the skills of the developers team through a renewed development workflow, easing projects on-boarding and management, reducing by half, the time to delivery we had so far.*

*Python, C++, Flask, RabbitMQ, PostgreSQL*

● **September 2010 - December 2016**

**Blueline, Antananarivo - Madagascar**

**Research and development engineer**

*Research and development of new products for digital TV and phone services.*

*Python, C++, Django, Flask, Redis*