

Axel Faure

Architect / Lead developer

Paris
France

 axel-faure.com

 axelfaure

Experience

- Sept. 2016 – Present **Lead developer**, *MOMA (Modélisation, mesures et Applications)*, Paris, France.
Architecture, development and operation of IoT, big data & smart grids applications and platforms. Significant contribution to technical architecture, definition of working methods, assessment of new technologies, writing of technical communication mediums
- February 2016 – July 2016 **Internship - embedded systems engineer**, *MOMA (Modélisation, mesures et Applications)*, Paris, France.
Integration of a Linux system on ARM and development of kernel modules/drivers
- September 2014 – February 2015 **Internship - software engineer**, *Geneanet*, Paris, France.
Creation of search engines and targeted advertising systems using Elasticsearch
- April 2013 – June 2013 **Industrial placement as junior programmer**, *Michelin*, Clermont-Ferrand, France.
Creation of a reporting plug-in for a master application in an industrial context using .Net technologies.

Education

- 2013–2016 **Computer engineer**, *Université de Technologie de Compiègne (UTC)*, Compiègne, France.
Fall 2015 **Exchange semester**, *University of Rhode Island*, Kingston, USA.
- 2011–2013 **DUT informatique SI**, *IUT Université d'Auvergne*, Clermont-Ferrand, France.
equivalent to a two years Bsc in Computer Science with Embedded Systems option
- 2010–2011 **Prépa MPSI**, *Lycée Blaise Pascal*, Clermont-Ferrand, France.
equivalent to year one PrepSchool for Engineering Schools
- 2007–2010 **Baccalauréat Scientifique**, *Lycée Gay-Lussac*, Limoges, France, *with honors*.
High School Diploma in Science

Languages

- French Native speaker
- English Upper intermediate level (TOEIC : 955/990 – TOEFL :102/120)
- Spanish intermediate level

Skills

- Linux systems Setup and maintenance, VPN, DNS, e-mail, security, monitoring, bash
- Cloud AWS, Terraform, Ansible
- DevOps Git & Gitlab, Jenkins, docker
- IoT C, C++, Rust, Linux drivers development, MQTT, understanding of various IoT networks
- Web PHP (Symfony), JavaScript (Node.js, AngularJS), Python (Django), Apache2
- Databases MySQL/MariaDB/PostgreSQL/Aurora, Redis, Elasticsearch
- Organization Scrum, Kanban
- Software design Full IoT/Big-data/Web software and platforms. Scalability, security and upgradeability.
- Communication Writing of reports, documentations and communication mediums. Technical presentations in front of various audiences.

Activities and Interests

- Cinema both American and international (T. Malick, D. Aronofsky, S. Kubrick...)
- Reading science & fictions (Tolkien, Clarke, Asimov...)
- Technological survey in particular (but not only) on topics such as cybersecurity, open-source and AI
- Genealogy a remnant of my internship at Geneanet