

Michel Kreutner

ENGINEER · SOFTWARE ARCHITECT

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Be the change that you want to see in the world.

About me ...

I have many years of experience in the field of information technology combined with a solid background in the field of automation, computer signal processing as well as a strong ability to acquire new knowledge and skills. I can work both in a team and independently. I have a strong sense of organization and proven skills in system administration, development (WEB, API), DevOps and editorial.

Skills

DevOps	AWS, Azure, Google Cloud Platform, Docker, Kubernetes, Rancher, Vagrant, Packer, Terraform, Jenkins, CI/CD, GitHub, GitLab
Programming	Python, PHP, C#, ASP, C/C++, Java, JavaScript, TypeScript, HTML5, LESS, SASS, LaTeX
Frameworks / Libraries	Flask, Django, FastAPI, Symfony, Laravel, .Net, React, Angular, Bootstrap, TailWind
Languages	French (Mother tongue), English (B1 - Intermediate)
Methods	Scrum, Kandan, Waterfall, XP, Pair programming
Others	Open-minded, Persevering, Listening, Proactive, Team Player, Organized

Experience

AxioCode - Web and Mobile development

Metz, France - On-Site

DEVELOPER

02/2024 - Present

Context

Within one of the business/client teams, I am responsible for implementing new features for different applications and more specifically:

- Development and Maintenance of the Core application that centralizes business information, provides a BackOffice and an API for different business applications (C#.Net, ASP.Net and Framework .Net 4.5/4.6);
- Development of the new Core application (C#, .Net Core);
- Technical referent for the implementation of applications in lightweight containers (Docker, k8s);
- Implementation of docker stacks for development, integration and production environments;
- Implementation of CI/CD workflows;

Technical referent for the implementation of a centralized management solution for users and their access rights to applications. As well as the implementation of an SSO.

Technical environment

- C#, .Net Framework 4.5/4.6, .NetCore, Gitlab, Gitlab-CI, Docker, k8s;
- PostgreSQL, MariaDB, SQL Server 2019

GVA Africa - FTTH Deployment in Central Africa

Paris, France - Full Remote

IT DEVELOPER

08/2023 - 02/2024

Context

Within the development SI team, I am in lead to correct and implement news features on several applications. I'm in charge of:

- Maintaining technical documentation of API;
- Develop new features and correct bugs on APIs for network management;
- Develop new features and correct bugs on administration tools;
- Technical referent for New ONT call for tenders;

Technical environment

- Python 3.7+, Django 4.x and Django Rest Framework, Flask, Peewee, Ansible, Gitlab, Gitlab-CI;
- OLT, ONT, Debian Server, Network Equipment;
- PostgreSQL;

Education

IAEM Doctoral School

PHD. (PHILOSOPHIAE DOCTOR) - AUTOMATIC AND ROBOTICS

- Subject: Multisensory perception for the positioning of an autonomous vehicle dedicated for disabled people.

Nancy, France

09/2000 - 09/2004

INP Lorraine

MASTER OF SCIENCE (NVQ LEVEL 5) - AUTOMATIC AND ROBOTICS

- Mastering the different technologies related to automatic and robotics;
- Design, develop and optimize an application including automatic and robotics;
- Lead a project independently by integrating budget management, supplier or subcontractor management;
- Manage the department's activities;
- Communicate and exchange in technical English.

Nancy, Lorraine

09/1998 - 09/1999

University of Lorraine

BACHELOR'S DEGREE OF SCIENCE (BSC DEGREE) AND MASTER'S DEGREE OF SCIENCE (MSC DEGREE) IN INDUSTRIAL SYSTEMS

ENGINEERING WITH COMPUTER SCIENCE OPTION

- Train engineer-level executives' competences for operations management, industrial system, production and logistics delivery;
- with a strong openness to the challenges of operating a company;
- with transversal skills such as listening skills, interpersonal skills, negotiation and communication skills, mastery of at least one foreign language.

Metz, France

09/1996 - 09/1998

Louis Vincent High School

BTEC HIGHER NATIONAL DIPLOMA IN INDUSTRIAL CONTROL AND AUTOMATIC REGULATION

The holder of the Advanced Technician Certificate in Industrial Control and Automation has all the necessary skills to resolve malfunctions related to the automation of equipment and major continuous industrial manufacturing processes whose production cycle cannot be stopped. He masters the command, control and regulation phases.

Metz, France

09/1994 - 09/1996

Extracurricular Activity

B10S (B1t On the Security, Underground hacker team)

CORE MEMBER

- Gained expertise in penetration testing areas, especially targeted on web application and software.
- Participated on a lot of hacking competition and won a good award.
- Held several hacking competitions non-profit, just for fun.

S.Korea

Nov. 2011 - PRESENT

WiseGuys (Hacking & Security research group)

MEMBER

- Gained expertise in hardware hacking areas from penetration testing on several devices including wireless router, smartphone, CCTV and set-top box.
- Trained wannabe hacker about hacking technique from basic to advanced and ethics for white hackers by hosting annual Hacking Camp.

S.Korea

Jun. 2012 - PRESENT

PoApper (Developers' Network of POSTECH)

CORE MEMBER & PRESIDENT AT 2013

- Reformed the society focusing on software engineering and building network on and off campus.
- Proposed various marketing and network activities to raise awareness.

Pohang, S.Korea

Jun. 2010 - Jun. 2017

PLUS (Laboratory for UNIX Security in POSTECH)

MEMBER

- Gained expertise in hacking & security areas, especially about internal of operating system based on UNIX and several exploit techniques.
- Participated on several hacking competition and won a good award.
- Conducted periodic security checks on overall IT system as a member of POSTECH CERT.
- Conducted penetration testing commissioned by national agency and corporation.

Pohang, S.Korea

Sep. 2010 - Oct. 2011

MSSA (Management Strategy Club of POSTECH)

MEMBER

- Gained knowledge about several business field like Management, Strategy, Financial and marketing from group study.
- Gained expertise in business strategy areas and insight for various industry from weekly industry analysis session.

Pohang, S.Korea

Sep. 2013 - Jun. 2017

Honors & Awards

NATIONAL AWARDS

2005 **1st**, National Academy of Metz Scientific Distinction

Metz, France

Certificates

- 2023 **AWS Certified Advanced Networking - Specialty**, Amazon Web Services (AWS)
- 2023 **AWS Certified Developer – Associate**, Amazon Web Services (AWS)
- 2023 **AWS Certified Cloud Practitioner**, Amazon Web Services (AWS)
- 2022 **AWS Certified Security - Specialty**, Amazon Web Services (AWS)
- 2022 **AWS Certified Solutions Architect – Professional**, Amazon Web Services (AWS)
- 2019 **AWS Certified Solutions Architect – Associate**, Amazon Web Services (AWS)
- 2021 **AWS Certified SysOps Administrator – Associate**, Amazon Web Services (AWS)
- 2020 **Certified Kubernetes Application Developer (CKAD)**, The Linux Foundation
- 2023 **HashiCorp Certified: Consul Associate (002)**, HashiCorp
- 2023 **HashiCorp Certified: Terraform Associate (003)**, HashiCorp
- 2020 **HashiCorp Certified: Terraform Associate (002)**, HashiCorp

Presentation

DevFest Seoul by Google Developer Group Korea

Seoul, S.Korea

PRESENTER FOR <HOSTING WEB APPLICATION FOR FREE UTILIZING GITHUB, NETLIFY AND CLOUDFLARE>

Nov. 2017

- Introduced the history of web technology and the JAM stack which is for the modern web application development.
- Introduced how to freely host the web application with high performance utilizing global CDN services.

6th CodeEngn (Reverse Engineering Conference)

Seoul, S.Korea

PRESENTER FOR <DEFCON 20TH : THE WAY TO GO TO LAS VEGAS>

Jul. 2012

- Introduced CTF(Capture the Flag) hacking competition and advanced techniques and strategy for CTF

6th Hacking Camp - S.Korea

S.Korea

PRESENTER FOR <METASPLOIT 101>

Sep. 2012

- Introduced basic procedure for penetration testing and how to use Metasploit

Writing

Smart wheelchair perception using odometry, ultrasound sensors and camera

Publication Robotica, vol. 27, num.
2, pp. 303-310

SPEAKER& WRITER

2009

Smart wheelchair perception using odometry, ultrasound sensors and camera

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2, pp. 303-310

SPEAKER& WRITER

07/2006

Smart wheelchair perception using odometry, ultrasound sensors and camera

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2, pp. 303-310

SPEAKER& WRITER

2009

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SPEAKER& WRITER

2009

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SPEAKER& WRITER

2009

Program Committees

- 2016 **Problem Writer**, 2016 CODEGATE Hacking Competition World Final
- 2013 **Organizer & Co-director**, 1st POSTECH Hackathon
- 2012 **Staff**, 7th Hacking Camp
- 2012 **Problem Writer**, 1st Hoseo University Teenager Hacking Competition
- 2012 **Staff & Problem Writer**, JFF(Just for Fun) Hacking Competition

S.Korea

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S.Korea