



# DAKILAB

## CATALOGUE DES COMPETENCES

1<sup>ER</sup> TRIMESTRE 2023



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<b>BASES FONDAMENTALES</b>	
<b>ALGORITHMIQUE</b>	FONCTIONS, STRUCTURES DE CONTROLE, VARIABLES, ...
<b>PROGRAMMATION ORIENTEE OBJET</b>	OBJETS, HERITAGE, POLYMORPHISME, SURCHARGE, ...
<b>CONCEPTION/MODELISATION</b>	UML
	DESIGN PATTERNS
	MERISE - MCD/MLD/MPD
<b>ARCHITECTURE MATERIELLE</b>	ARCHITECTURE DES ORDINATEURS, MACHINE DE TURING, ...
<b>ARCHITECTURE LOGICIELLE</b>	ARCHITECTURE N-TIERS
	ARCHITECTURE MVC
	ARCHITECTURE EN COUCHES
	ARCHITECTURE MICROSERVICES
<b>TESTS</b>	TESTS UNITAIRE, D'INTEGRATION, DE CHARGE, FONCTIONNELS, ...
<b>LANGAGES DE PROGRAMMATION &amp; FRAMEWORKS</b>	
<b>JAVA</b>	JAVA SE 8+ BASES ET AVANCE
	JAVA EE
	SPRING (CORE, SECURITY, DATA, ...)
	HIBERNATE ORM
	PLAY
<b>PYTHON</b>	LANGAGE PYTHON (PROCEDURAL / OBJET)
	DJANGO
	JUPYTER (DATA ANALYSIS)
<b>JAVASCRIPT/TYPESCRIPT</b>	JS BASES
	JS AVANCE
	VUEJS
	ANGULAR
	REACT
	NODEJS
<b>PHP</b>	PHP 7+ BASES ET AVANCE
	LARAVEL
	SYMPHONY
	DRUPAL
<b>C</b>	LANGAGE C (BASES ET AVANCE)
<b>C++</b>	LANGAGE C++ (BASES ET AVANCE)
<b>.NET</b>	C# (BASES ET AVANCE)
	ASP.NET
<b>SCALA</b>	LANGAGES FONCTIONNELS
<b>RUBY</b>	RUBY ON RAILS
<b>GO</b>	LANGAGE GO
<b>ANDROID</b>	KOTLIN
<b>IOS</b>	SWIFT

<b>WEB</b>	
<b>HTML/CSS/JS</b>	DOM
	HTML 5
	CSS 3
	JS
	JQUERY
	PWA
<b>UI/UX</b>	ERGONOMIE, DESIGN, MOCKUPS, ACCESSIBILITE, ...
<b>SEO/SEA</b>	REFERENCEMENT NATUREL/PAYANT, PAGE RANKING, OPTIMISATION, ANALYTICS, ....
	GOOGLE ANALYTICS
<b>WCMS</b>	WORDPRESS
	JOOMLA
	PRESTASHOP
<b>DONNEES</b>	
<b>SGBDR</b>	LANGAGE SQL/PROCEDURES/OPTIMISATION
	MYSQL
	POSTGRESQL
	SQLSERVER
	ORACLE
<b>NOSQL</b>	MONGODB
	CASSANDRA
	NEO4J
	REDIS
	ELASTICSEARCH
<b>BIGDATA</b>	MAP REDUCE
	HADOOP/HIVE/PIG/HDFS
<b>FORMATS</b>	JSON
	XML/XPATH/XSLT/DTD
<b>EVENT SOURCING</b>	KAFKA
	RABBITMQ
	JMS
<b>INFRASTRUCTURE ET RESEAU</b>	
<b>LINUX</b>	SYSTEMES UNIX
<b>WINDOWS</b>	WINDOWS SERVER
<b>ANNUAIRES</b>	LDAP/AD
<b>RESEAU</b>	TCP/IP
	CISCO
	ADRESSAGE DNS/DHCP
<b>CLOUD</b>	MODES IAAS/PAAS/SAAS
	AZURE
	GOOGLE CLOUD PLATEFORM
	AWS

<b>DEVOPS</b>	
<b>SCM</b>	SVN
	GIT
	BITBUCKET
	GITHUB
<b>CI</b>	GITLAB
	JENKINS
	CIRCLECI
	TRAVIS
<b>CONTENEURS</b>	DOCKER
	DOCKER COMPOSE
	SWARM
	KUBERNETES
<b>GESTION CONFIG</b>	ANSIBLE
	TERRAFORM
	PUPPET
	SALT
	VAGRANT
<b>MONITORING</b>	ELK
<b>IOT</b>	
<b>RESEAUX IOT</b>	LORA
	SIGFOX
<b>PROTOCOLES</b>	Z-WAVE
	ZIGBEE
<b>DOMOTIQUE</b>	JEEDOM
<b>MATERIEL</b>	ARDUINO
	RASPBERRY
<b>INTELLIGENCE ARTIFICELLE</b>	
<b>MATHS APPLIQUES</b>	STATISTIQUES
	PROBABILITEES
<b>APPRENTISSAGE AUTOMATIQUE</b>	MACHINE LEARNING
	DEEP LEARNING
	RESEAUX DE NEURONES
<b>GESTION DE PROJET ET METHODOLOGIES</b>	
<b>METHODES AGILES</b>	SCRUM
	XP
	KANBAN
<b>GESTION DU CHANGEMENT</b>	ACCOMPAGNEMENT AU CHANGEMENT
<b>OUTILLAGE</b>	MSPROJECT
	JIRA