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| **Amadou NDIAYE (23 years old)**  Research and Development Engineer |  |

* [amadou.ndiaye@atos.net](mailto:amadou.ndiaye@atos.net)
* Single
* Nationality: Senegalese

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| Training |  | * 2016-2019, **Diploma of Design Engineer in Telecommunications and Networks (DIC)**, Ecole Supérieure Polytechnique de Dakar (ESP) * 2014-2016, **University Diploma of Technology in Telecommunications and Networks (DUT)**, Ecole Supérieure Polytechnique de Dakar (ESP) * 2013-2014, **Baccalaureate Series S1,** Sangalcam High School |
| Languages |  | * English (Professional) * French (Fluent) * Wolof (Fluent) * Pular (native) |
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| **Technical skills** |

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| **BIG DATA** | Hadoop | 2 |  | Sqoop | 2 |
|  | Spark | 2 |  | Kafka | 2 |
|  | Storm | 2 |  | Avro | 1.5 |
|  | Nifi | 1.5 |  | Ambari | 1.5 |
|  | AWS(S3) | 1.5 |  | Zookeeper | 2 |
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| **Language/ Framework / BDD** | MySQL | 2.5 |  | Neo4j | 2 |
|  | MongoDB | 1.5 |  | Python | 2 |
|  | C/C++ | 2 |  | Scala | 1.5 |
|  | Java / Java JEE | 2 |  | PHP | 2 |
|  | HTML/CSS | 2 |  | Spring | 1.5 |
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| **Operating systems** | LINUX | 2 |  | Windows | 2.5 |
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| **Networks and Telecommunications** | RTC/GSM/3G/4G | 2 |  | IP Telephony | 2 |
|  | Optical Fiber | 2 |  | IOT | 2 |
|  | DNS/DHCP/Samba | 2 |  | LDAP/RADIUS | 2 |
| **Modeling** | UML | 2 |  |  |  |

1-Knowledge 2-Mastery 3-Expertise

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| **Professional experience** |

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| **Atos Senegal** |  |  |
| 02/2019 – 06/2019 |  |  |
| **Function** |  | Intern |
| **Project** |  | Study and implementation of a telco relational circle |
| **Mission(s) and achievements** |  | * Creating a social network from telco data * Identification of communities within the social network * Identification of influencers from the relational circle * Setting up a REST API * Implementation of a web application for the exploitation of the relational circle |
| **Environment** |  | Spark, Scala, Neo4j, Spring Boot, React |

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| **Atos Senegal** |  |  |
| 04/2019 – 04/2019 |  |  |
| **Function** |  | Intern |
| **Project** |  | Implementation of a BIG DATA platform for Atos Senegal |
| **Mission(s) and achievements** |  | * Implementation of Ambari in a 6-node cluster * Installation of Hortonworks Data Platform and various services (HDFS, YARN, HIVE, SPARK, SQOOP, ...) on the cluster * Cluster administration (user management, file and service access management) |
| **Environment** |  | * Centos 7, Hortonworks Data Platform |

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| **ESP** |  |  |
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| **Function** |  | Student |
| **Project** |  | Implementation of a real-time temperature and humidity display system |
| **Mission(s) and achievements** |  | * Design and development |
| **Environment** |  | Arduino, dht11 sensor, Mosquitto, Flask, C |

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| **ESP** |  |  |
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| **Function** |  | Student |
| **Project** |  | Study and implementation of an electronic toll system based on iBeacon technology |
| **Mission(s) and achievements** |  | * Design and development |
| **Environment** |  | Arduino, C |

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| **Computer Science, Networks and Telecoms Laboratory** |  |  |
| 07/2016 – 08/2016 |  |  |
| **Function** |  | Intern |
| **Project** |  | Implementation of an IP telephony management system in a multi-site environment |
| **Mission(s) and achievements** |  | * Design and implementation |
| **Environment** |  | * Linux, Asterisk, Corosync, Pacemaker |

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| **Experiences in community life** |

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| |  | | --- | | **Sport et Hobbies** |  |  | | --- | | * JOGGING * Reading * Football * Video games * Cinema |  * President of the pedagogical commission of the Alternative Synergy for an Emerging Bambylor (SABE) movement |