

Abdoul NDiaye

Full-stack Developer



31 years old - Driving License

CONTACT

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ABOUT ME

I aim to build from scratch projects and technical team with new technologies and best practices as a reference. My leadership and the various experience give me the capacity to adapt myself in every situation.

EXPERIENCE

Full Stack Developer (Contractor)

BlowLTD - May 2019 to December 2019



- FlowType
- AWS Serverless Framework
- React
- React Native
- AppCenter
- Redux
- AWS RDS
- Cloudformation
- Docker
- Jenkins

Full Stack Developer (Contractor)

Matches Fashion - February 2019 to May 2019



- Kubernetes
- ExpressJs
- FlowType
- DynamoDB
- AWS Serverless Framework
- React
- Redux
- Redux Form
- Axios
- AWS KMS
- Docker

CTO (Side Project)

Spartera Network - Since August 2018



- Ethereum
- Smart Contracts using OpenZeppelin
- Typescript
- Database Management using TypeORM
- React / Redux
- Redux Form
- Web3
- React Native
- AWS Serverless Framework
- AWS KMS
- Docker

Technical Architect (Hands-on)

Qare - May 2016 to November 2018

QARE

- ▶ - Build a NodeJS backends with FlowType / ExpressJS
 - Serverless
 - React + Redux development
 - AMQP communication Between the different services with RabbitMq
 - Redis cache
 - Authentication Providers Via Passport JS (Bearer, Custom, SAML)
 - ElasticSearch
 - AWS
 - AWS Cloudformation
 - Blue-green deployment (with Jenkins)
 - MongoDB
 - PostgreSQL
 - LoopbackJS
 - ExpressJS
 - Kong API gateway
 - React-native Android & iOS
 - Swagger documentation
 - Webpack optimization
- ▶ Test workflow for all the APis:
 - Unit test with Mocha, Chai and Sinon.js
 - E2E test with Supertest
 - Checking style with FlowType and Eslint
- ▶ Jenkins:
 - Check on every pull request
 - Automatic deploy on all environments
 - Blue/Green deployment with AWS ECS
 - Automatic launch of E2E tests in case of a modification on an API
 - Docker infrastructure
- ▶ Infrastructure:
 - Aws Cloudformation
 - Aws Shield
 - Blue/green deployment and autoscaling with Aws ECS
 - RabbitMq cluster
 - Websockets behind a load balancer
 - Autoscalling Rules
 - ElasticSearch
- ▶ API gateway:
 - Kong API gateway
 - Oauth2 authentication in all APIs
 - Rate limit on request
 - Cors management
- ▶ Security:
 - Installation of a VPN
 - Installation of an SSH bastion
 - Creation and management of a private network
- ▶ Key figures :
 - + 50 physicians
 - + 15 specialties
 - + 1.500 consultations
 - 96% patient satisfaction rate

Lead Backend developer (Hands-on)

Padawan Group - September 2015 to May 2016 - Full-time - London - United Kingdom



- ▶ Microservice Apis:
 - Creation of 6 Node.Js apis behind a Nginx proxy
 - PassportJS Authentication
 - Docker deployment

- Apache Mesos:
 - Installation of a DC/OS cluster on AWS
 - Auto scaling group configuration
 - Jenkins / dcos client deployment
- RabbitMq:
 - Installation and configuration of a RabbitMq able to manage millions of messages
- Varnish:
 - Installation and configuration of a varnish cluster compatible with FOSHttpCacheBundle
- ElasticSearch:
 - Import and management of more than 100 millions of ads on 22 websites
- Jenkins:
 - Add Jenkins workflow in order to deploy all the stack in 1 click
- Logstash + Kibana integration
- Monitoring

Lead Developer - Symfony

Contractor - October 2014 to August 2015

Symfony2 development of CRM - Stats platform in full rest API

ERP + CRM + Stats platform :

- Symfony
 - Functional Test (Behat)
 - Unit test (PHPUnit, Phake)
 - Scrum
 - Capistrano Deployment
 - Vagrant
 - Github
 - Codeship
 - RabbitMq
 - Redis
 - ElasticSearch
 - API HATEOAS
- Management :
- It Recruitment
 - Creation of IT Aptitude Test

Symfony developer

Webnet - July 2013 to October 2014 - Full-time - Levallois - France



- Projects at Lagardere:
 - www.europe1.fr
 - lelab.europe1.fr
 - recherche.europe1.fr
 - clube1.europe1.fr
 - profile.europe1.fr
 - Monitor (Version Manager for europe1)

All projects were made from scratch.

Major development:

- Migrate all projects in Symfony/EzPublish 5.2
- Creation of an ORM to simplify the management of ezPublish object/generate a Solr representation/manage a cache provider (Dump ezPublish entites in files, Lazy Loading, Repository, annotations)

Technologies:

Symfony 2.3, Unit Test (PHPUnit), Scrum, Varnish, Memcached, Solr, Redis, Jenkins, EzPublish 5.2

- Projects at Webnet:
 - SARP Industries Extranet

Technologies: Symfony 2.3, Unit Test (PHPUnit), PostgreSQL

- Varnish configuration
- Rabbitmq configuration

Contractor : Web developer

Open space - September 2012 to June 2013 - Freelancer - Paris - France



- Contractor
- Sysadmin for all environments
- Jenkins installation
- Back-office creation
- Virtualbox creation to ensure the same dev environment
- Scrum Master
- Deployment scripts

Technologies: HTML5, CSS3, JavaScript, Doctrine 2, Twig, Swift Mailer, Twitter Bootstrap, SCRUM, SVN

Symfony 2 developer

Mediastay - March 2012 to 2012 - Full-time - Paris - France

>MEDIASTAY<

Features developed:

- Game event management
- Special event management
- Restful api to manage winnings
- Customer refunds
- Production deployment scripts (bash)
- Technology Training: NodeJS, AngularJS
- Training of new developers.
- Internationalization of the website (English, Deutsch)
- Script to calculate daily winners

Technologies: PHP 5.3, Jenkins, Debian, GIT, Silex, Symfony 2, Doctrine 2, Twig, Swift Mailer, JQuery, Sonata Admin, Be Simple I18n

Scrum methodology

Web developer

Espacemax - March 2010 to 2011 - Full-time - Paris - France

- Sales integration website

(2 developers)

Our goal was to develop an interface to import and manage sales in several websites.

- Database creation.
- Modelisation of the user interface.
- Product/user/sale/picture/brand management
- Sales pre-visualization
- Sales synchronization
- Writing of a developer wiki.
- Training for the marketing team.

Environment: PHP, Javascript, JQuery, Mysql, Apache, Svn, Toad, Putty, Freemind, Mysql Workbench, Symfony 1.4

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► Espacemax eCommerce website:

- Development of the 4th version of the website.
- Migration of the administration.
- Cache management on the front pages with MemCached.
- Creation of the preprod environment.
- Development of the 4th version of the website "Espacemax on Elle.fr"
- Graphic redesign.
- CDN installation.
- Load balancer installation.
- Minor changes on a 3D tool developed by NVIDIA SDK Dassault System.
- Development of Backend and front-end features.
- Development of cronjob and stored procedures to automate sales's management.
- Development of special sales management for the Espacemax website
- Coordination with the commercial and marketing team to organize the tasks of the team.
- Training of new developers.

Environment: Debian, PHP, Javascript, JQuery, Mysql, Apache, Svn, Toad, Putty

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► "Fée de l'effet" eCommerce website:

- Changes on postal charges management.
- Addition of import script to import new sales/products.
- XML import of clients sourced from special events.

Environnement: PHP, Javascript, JQuery, Symfony 1.4, Mysql, Apache, Svn, Toad, Putty, MysqlWorkbench

SKILLS

C-level

- Leadership
- Communication
- Relationship
- Problem solver
- Business matter
- Budget Management
- Share olders relations
- Team Building

Data collection

- Logstash
- Heka

Virtualization and automation

- AWS CloudFormation
- AWS Container Service
- AWS ElastiCache
- AWS RDS
- AWS Shield
- Ansible
- Vagrant
- Serverspec
- VirtualBox
- Capistrano
- Docker

- Monit

Databases

- Mysql
- PostgreSQL
- Solr
- ElasticSearch
- MongoDB
- Redis
- DynamoDB

Blockchain

- Quorum
- OpenZeppelin
- Solidity
- Truffle

Javascript

- ES7
- ES6
- Node.JS
- Loopback
- FlowType
- Express.JS
- Unit test
- E2E tests
- Mocha
- Chai
- AngularJS 1.5
- Bower
- Gulp
- Webpack
- PassportJS
- React
- Redux

Authentication Strategy

- Http Bearer
- SAML
- Local (Username/Password)
- Facebook
- Google

PHP

- Symfony 2.8
- PHPUnit
- PhpStorm
- Phake
- Behat
- PHP7

Others

- Web Development
- Git

- Github
- CSS
- SEO
- Scrum
- RabbitMQ
- Kibana
- Api Restfull
- Python
- Ruby
- Websockets

Apache Mesos

- Marathon
- Chronos

Languages

- French
- English

EDUCATION

BTS Informatique de Gestion

Ecole nationale de Commerce

September 2006 to 2008

Option : Développeur d'applications

Bac Sciences et Technologies Tertiaires

Lycée Jean Monnet

2003 to 2006

Option : Action et Communication Commmerciale