

Abdoul Ndiaye

Full Stack Developer



Tech-savvy expert with hands-on experience in building network infrastructures as well as designing and developing bespoke software solutions for server-side applications

35 years old

Driving License

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EXPERIENCES

Lead Full Stack Developer (Contractor)

BlowLTD - Since May 2019

- ▶ FlowType
- ▶ AWS Serverless Framework
- ▶ React
- ▶ React Native
- ▶ AppCenter
- ▶ Redux
- ▶ AWS RDS
- ▶ AWS SQS
- ▶ Cloudformation
- ▶ Docker
- ▶ Jenkins
- ▶ Typescript
- ▶ Node.js
- ▶ AWS AppSync
- ▶ GraphQL

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
- ▶ Node.js

Chief Technology Officer (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
- ▶ Node.js

Deputy Chief Technology Officer

Qare - May 2016 to November 2018

- ▶ ▶ Build a NodeJS backends with FlowType / ExpressJS
 - ▶ Serverless
 - ▶ React + Redux development
 - ▶ AMQP communication Between the different services with RabbitMq



QARE

- 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



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

- 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




- "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 

Virtualization and automation


- AWS CloudFormation 
- AWS Container Service 
- AWS Elasticache 
- AWS RDS 
- AWS Shield 
- Ansible 
- Vagrant 
- Serverspec 
- VirtualBox 
- Docker 
- CloudWatch 

Databases

- Mysql 
- PostgreSQL 
- 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 

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 Commerciale