GUILLAUME HOUDMON, ARCHITECT & DEVOPS

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ABOUT

I'm a software engineer with 20 years of experience in development. I've a strong experience in micro-service architecture, SaaS development, kubernetes deployment and CI/CD.

Having long been interested in how my projects would be deployed and maintained in operational condition, I acquired devops skills early on, in addition to my software architecture skills. Working with sensitive data since 2005, I have also a good awareness to security problematic and challenges that this imposes.

I'm working since 2017 at ARIADNEXT, software editor in SaaS of identity solutions.

After having been responsible for a digital identity project, I took over the role of tehcnical architect. As such, I set up a QA team and a devops team. With this devops team, and in collaboration with the infrastructure team, I built a new production as code platform, based on kubernetes.

SKILLS

ARCHITECTURE	Micro-services, Rest APIs, SaaS, Security
LANGUAGES	Java, Kotlin, Springboot, Python
DEVOPS	Ansible, Molecule, Jenkins, GitLab-ci
CONTAINERS & CLOUD	Kubernetes, Istio, Docker, Linux, Grafana/Prometheus
MIDDLEWARES	Elasticsearch/Opensearch, MariaDB/MySQL, MongoDB, RabbitMQ , Keycloak

EDUCATION

ENIB, ÉCOLE NATIONALE D'INGÉNIEURS DE BREST

ENGINEER 1997 - 2002

Computer sciences option

EXPERIENCES

ARCHITECT SOLUTION / HEAD OF DEVOPS

ARIADNEXT BY IDNOW, RENNES, FRANCE January 2019 - Present

Head of cross-functional teams: Architecture, Devops and QA (about 15p).

Head of Devops:

- Build a platform as code, based on kubernetes
- Automatize deployments with Ansible/Molecule
- Setting up the on call duty
- Dispatch the DevSecOps culture
- Improve the CI/CD: Gitlab-ci, Jenkins, Sonar, Nexus, Harbor, DependencyTrack

Coding Architect (until 11/2022):

- Technical specification of new products and services
- Develop internal base libraries and core services
- Animate Java community
- Participate of security audit and certification

QA Manager (until 03/2022):

- Recruit a QA Team
- Setting up RobotFramework test environment
- Define performance and load testing strategy

Technologies: Java/Kotlin/Springboot, Keycloak, RabbitMQ, MongoDB, MariaDB, Kubernetes, Istio, Ansible, Molecule, GitLab-ci, Jenkins, RobotFramework, Locust

DIGITAL IDENTITY PROJECT MANAGER

ARIADNEXT, RENNES, FRANCE July 2017 - January 2019

The project is an identity provider for FranceConnect. It allows users to create their identity from their smartphone, with Mobile Connect as a means of authentication and IDCHECK.IO as a means of verification of identity.

Technologies: Java/Springboot, Keycloak, Android/Kotlin, IOS/Swift, RabbitMQ, MongoDB, MySQL

TECH LEADER, DEVOPS AND IT MANAGE

BLUEKANGO, RENNES, FRANCE January 2009 - July 2017

Development of a SaaS application about HSQE:

- HTML5/JS/IndexedDB offline application on smartphone and tablet
- BI module with a Java/Birt backend and a PHP/ExtJS frontend
- Authentication integration: SSO, JWT, OTP, LDAP
- Java/Spring/GWT application for the road equipment management
- Development of internal tools in AngularJS/PHP

IT manager:

- Servers virtualization
- Hosting clients SaaS applications
- Setting up a monitoring system
- Internal information system management
- Implementation of the CI/CD

Technologies: Java/Springboot, JS, PHP, MySQL, Jenkins, Zabbix, Birt, Selenium, Jmeter

PRODUCT MANAGER

SNR, LILLE, FRANCE 2007 - 2008

Development of regional platform hosting shared medical records:

- Team technical leader and coaching offshore development
- Writing technical and functional specifications
- Technical architect
- Quality control
- Technical support for pre-sales team

Technologies: Java, Jonas, JSF, Oracle

JAVA TECH LEADER

SILICOMP-AQL (OBS), RENNES, FRANCE 2005 - 2006

Subcontractor for SNR:

- Technical leader and Java developer

- Writing technical and functional specifications

- Quality control

Technologies: Java, Jonas, JSF, Oracle

JAVA DEVELOPER

OSYS, LAVAL, FRANCE 2003 - 2005

Development of an intranet software for industrial production monitoring:

- Specification about technical solution and Java development

- Deployment of specific application for the clients

- Clients and coworkers training

Technologies: Java, Tomcat, Ms SQL Server