

Etienne Gandrille

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Senior Lead Developer

Cloud and DevOps enthusiast,
Kubernetes certified (Cloud Native Computing Foundation),
experienced in international collaborations.

#java #cloud #devops #kubernetes
#craftsmanship #collaboration #sharing

<https://linkedin.com/in/gandrille> | <https://github.com/gandrille>



Experiences

2015-2020

(5 ½ years)

Commissariat à l'Energie Atomique et aux Energies Alternatives Java, IoT and Cloud Software Engineer



Eclipse sensiNact Software Engineer

- ▶ Development of an open-source middleware for the Internet of Things and Smart Cities.
- ▶ Definition, implementation and automation of unit and integration tests.
- ▶ Linux server and NoSQL database (Cassandra) administration.
- ▶ Intellectual Property verification and source code transfer to the Eclipse Foundation.
- ▶ Eclipse sensiNact promotion: Smart City Expo World Congress, Net Futures,...

CI/CD/DevOps : **Ansible, Git, Jenkins, Nexus, Docker, Kubernetes** (Paremus Service Fabric).

Programming languages: **Java (Maven, Spring Framework), Shell (Bash)**.

Team organization: **agile methodology using Scrum**.

European project collaboration (Brain-IoT, OrganiCity, Sociotal...)

- ▶ CI/CD/DevOps using GitLab pipelines, Jenkins, Nexus, Kubernetes (Paremus Service Fabric).
- ▶ Full-stack development, tests and hosting on AWS EC2 of a service in charge of managing Smart-City data coming from European cities.
- ▶ Integration of project contributions including Machine Learning algorithms in Python.
- ▶ International team coordination.
- ▶ Deliverable writing and reviewing.
- ▶ Project reporting in front of the European commission delegates.

CI/CD/DevOps: **GitLab pipelines, Jenkins, Nexus, Docker, Kubernetes** (Paremus Service Fabric).

Programming languages: **Java (Maven, Spring Framework), Python, Shell (Bash), JavaScript**.

Skill set: **project management, international collaboration, team coordination**.

Technical consultant for collaborative project proposals

GREAT (GREnable Alps Together), I2PANEMA, DEFI-OC...

Skill set: **requirement collection and analysis, writing project proposals** (in English and in French), **numerous collaborations with industrial partners and governmental institutions**.

2011-2014

(3 years)

Orange Labs – Grenoble Innovation center Java and IoT Software Engineer for MEDICAL project



Development, showcase and promotion of iCASA, a middleware for securing the home environment of senior citizens and detecting warning signs of degenerative diseases related to aging. Collaborative project with the healthcare division of Orange Labs.

Technologies: **Java, Maven, Git, Jenkins, Nexus, NFC, Bluetooth, Zigbee**.

2008-2011

(3 years)

ENSIMAG Laboratory (LIG) – Adele Team (Grenoble) Java Software Engineer



Development of CADSE, a tool for improving developers' productivity.

Technologies: **Java, Maven, Git, Hudson, Nexus, OSGi, iPOJO**.

Languages

French	Mother tongue.
English	Bilingual: daily work and phone meeting chairman for more than 5 years.
Spanish	Intermediate level.

Skills

Software development

- ▶ CI/CD/DevOps: GitHub/GitLab pipelines, tests, Jenkins, Nexus, Docker, Kubernetes, Ansible.
- ▶ Databases and dataformats: Cassandra, MySQL, H2, JSON-LD, XML, XSLT, XML Schema.
- ▶ Cloud: AWS EC2, S3, Glacier.
- ▶ Programming languages: Java (Java SE and Java EE, Spring Framework, Spring Boot), Python, Shell, Go.
- ▶ Web development: HTML, CSS, JavaScript, JQuery, Angular.

Community and knowledge sharing

- ▶ Knowledge sharing about Linux, Java, Kubernetes, ...
 - ▶ <https://gandrille.github.io/linux-notes>
 - ▶ <https://gandrille.github.io/tech-notes>
- ▶ GitHub Arctic Code Vault Contributor : spring-projects/spring-boot, gandrille/linux-notes, sabre-io/Baikal, ...
- ▶ Active Java and Cloud community member: AlpesJUG, Google I/O extended, ...

Project management

- ▶ Team coordination, international collaboration.
- ▶ Phone meeting chairman.
- ▶ Requirement collection and analysis.
- ▶ Writing specifications and technical documentation.
- ▶ Agile methodology practitioner (using Scrum) for software development.

Education

09/19/2020	Certified Kubernetes Application Developer (CKAD) Cloud Native Computing Foundation & Linux Foundation. Score: 94/100 (id: LF-1uhddu8y54).
2011-2014	Ph.D. in Computer Science: Orange Labs / ENSIMAG Lab (LIG) - Grenoble University (France) Specialized in Software engineering of Autonomic Systems. Dissertation Title: "Architecture-based autonomic adaptation of pervasive applications". Public defense: 12/12/2014.
2005-2008	Academic classes in social science – Catholic University of Paris (France). Specialized in philosophy, anthropology and religions. Final grade: A+.
2002-2005	Engineering degree in Computer Science – ISIMA / Clermont Auvergne University (France). Class ranking: 2 nd . Master's degree in Computer Science – Clermont Auvergne University (France). Class ranking: 2 nd .
2000-2002	University degree in software development (DUT) – Clermont Auvergne University (France). Class ranking: 1 st .

Others

Driving license
International mobility.
Organization, meal preparation and delivery of community-sourced meals for homeless and fragile persons.
First aid training: fire extinguishers (2017), first aid diplomas (PSCC1 2015 and AFPS 1998).