



# Benoit Laurent

SOFTWARE ARCHITECT, SENIOR DEVELOPER/DATA ENGINEER

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"They did not know it was impossible so they did it." Mark Twain

## Skills

<b>Mindset</b>	Agile, Lean, Ideation, Team Player, Out of the Box Thinker
<b>Soft</b>	Communication, Customer facing, Negotiation, Business Acumen, Clear Thinker, People Growth
<b>Miscs</b>	DICOM, Domain Knowledge (Manufacturing, Energy, Medical)
<b>DevOps</b>	AWS, GCP, Docker, Swarm, Vagrant, Packer, Ansible, Jenkins, Sonar
<b>Back-end and Data handling</b>	Express, Flask, Spring, REST API, gRPC, MQTT, AMQP, Kafka
<b>Front-end</b>	Hugo, Polymer, HTML5
<b>Programming</b>	C, C++, Golang, Node.js, Python, Java, Javascript, Bash, Groovy, LaTeX, Jupyter
<b>Data processing</b>	Pandas, Vaex, Numpy, Matplotlib, Scikit-learn, pdfminer, camelot, bash
<b>Languages</b>	English (Full professional proficiency), French (Native)

## Experience

### GE Digital

Paris, France

SOFTWARE ARCHITECT

Jul. 2016 - Now

- Provide technical expertise on Cloud technologies and Digital transformation to customer. Helping industries staying competitive and accelerating growth using IOT providing technologies and insight we could only dreamed off few years back.
- Design/Promote/Develop applications and platform from edge to cloud, from very tiny embedded chips (esp...) for IOT applications to large scale multi-tenant process optimization platform.
- Use my extensive experience from low level development (c, c++, simd, libc) to high level cloud friendly technology (Javascript, Golang, Python, Spring) to rapidly create solutions with features rich capabilities and optimal cost.
- Participate to Design Thinking workshop with Design Team to map value on reachable milestone, preparing MVP development.
- Create Architecture blueprint to speed up MVP development, favor reusability and ease deployment.
- Collaborate with Data Science Team to productize their solutions, make it generic and reusable.

### GE Digital

Paris, France

OPEN INNOVATION MANAGER

Sep. 2017 - Jun. 2018

- Led a small team organising open innovation challenge, continuously scouting for Venture and M&A for potential investment and partnership.
- Participated to the launch of the Digital Industry Challenge program to accelerate startups and solve real industrial challenges.
- Technically evaluate potential new technologies, provide leadership vision and strategy according to market needs.

### GE Healthcare

Buc, France

SOFTWARE ARCHITECT

Jan. 2015 - Jul. 2016

- Selected and tested appropriate technologies to allow intensive computing (Rendering, Segmentation) to be performed in the cloud or on premise.
- Provided teaching and guidance to large team (3 scrum team of 6-7) on how to use them effectively.
- Created the architecture of Health Cloud Image processing platform, allowing very low cost per exam and very fast and extensible exam review.
- Discussed with Product Owner to elaborate meaningful and accurate product offer as well as User centrics feature set.

### GE Healthcare

Buc, France

SOFTWARE ARCHITECT

Jun. 2014 - Dec. 2015

- Designed APIs for Medical Imaging SDK, intended to extend an already existing software with plugin capabilities, test automation and python scripting.
- Led all technical aspects of the development with a scrum team of 5 engineers, developing the API and the SDK.

### GE Healthcare

Buc, France

PROJECT LEADER

Nov. 2012 - May. 2014

- Created Specifications and Design to develop a new product called AW Creator meant to be used by internal and external customer.
- Implemented with a scrum team of 5 engineers; the API and SDK to allow plugins to be written on top of existing software, reducing time to market while increasing product quality.

### GE Healthcare

Buc, France

PROJECT LEADER

May. 2011 - Nov. 2012

- Led a team of 3 engineers to refactor and migrate a portfolio of 10 applications to a new client-server product line.
- Specified functional behavior of server mode applications; optimized performance to maximized responsiveness while still maintaining diagnosis capabilities.

## GE Healthcare

SOFTWARE ENGINEER

*Buc, France*

*Feb. 2009 - May. 2011*

- Participate with a team of 3 engineers to the migration and refactoring of 3 applications and migration to a new client-server product.

## GE Healthcare

SOFTWARE ENGINEER

*Buc, France*

*Oct. 2006 - Feb. 2009*

- Participate as part of a team of 4 people to Virtual Colonography medical application development.
- Contribute to several aspect of the applications from UI, to small redesing and quality improvements.

# Education

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## ESIEE Paris

M.S. IN MATHEMATICS AND COMPUTER SCIENCE

*Noisy Le Grand, France*

*Sep. 2003 - Sep. 2006*

## UMLV

M.S. IN COMPUTER SCIENCE

*Noisy Le Grand, France*

*Sep. 2001 - Sep. 2002*

## University of Westminster

B.S. IN TELECOM AND ELECTRONIC

*London, Great Britain*

*Sep. 2001 - Sep. 2002*