Benoit **Laurent**

SOFTWARE ARCHITECT, SENIOR DEVELOPER

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

Skills

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

Experience

Schneider Electric
Rueil-Malmaison, France

SENIOR PRINCIPAL ARCHITECT - IIOT AND CLOUD
Nov. 2021 - Now

- Remotely support contractors team, to put input software best practices.
- Investigate new technologies, that can be integrated into existing applications to solve performance issues and reduce technical debt
- Look up for transversal subjects, that require dedicated development and investigation.
- Coach new commers on cloud technology, that can be integrated into existing applications
- Review Cyber Security, through the SDLC process.

GE Digital
Paris, France

SOFTWARE ARCHITECT
Jul. 2016 - Nov. 2021

- 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 developement.
- Create Architecture blueprint to speed up MVP development, favor reusability and ease deployement.
- 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.
- Technicaly 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 responsivness while still maintaining diagnosis capabilities.

GE Healthcare   *Buc, France*

Software Engineer   *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   *Buc, France*

Software Engineer   *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

ESIEE Paris   *Noisy Le Grand, France*

M.S. in Mathematics and Computer Science   *Sep. 2003 - Sep. 2006*

UMLV   *Noisy Le Grand, France*

M.S. in Computer Science   *Sep. 2001 - Sep. 2002*

University of Westminster   *London, Great Britain*

B.S. in Telecom and Electronic   *Sep. 2001 - Sep. 2002*