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Kenji Yamashita



SUMMARY

Software Engineer with 15+ years' experience.

Web projects : I have worked on multiple web projects in start-ups as a backend and full stack developer. I can supervise or execute :

- agile workflows,
- deployment and CI workflows,
- development and testing.

R&D projects and safety projects : I was in charge of several complex systems involving software and hardware components.

- I am used to writing quality, validation and configuration plans for systems compliant with IEEE and ISO standards.
- I am used to defining the system architecture, including hardware and software.
- I have experience coordinating or executing software development and validation.

I am familiar with mathematics, algorithms, physics and computer vision.

I am enthusiastic and used to adapting to complex business constraints - e.g. insurance or nuclear fields.

I am quality oriented and eager to work on innovative projects.

WORK EXPERIENCES

2008 - 3 years

AREVA - reactors, Paris

Position: Backend Developer in charge of :

- subscription API / pricing API / customer area API / backoffice API
- tracking server

Developed skills: Python - Django - pytest - snapshot - DRF - Postgres - FastAPI - mongo - JS - React - storybook - AWS - heroku - circle ci - jira - confluence

2008 - 8 years

AREVA - reactors, Paris

Position: R&D engineer

- in charge of the calibration tool for neutron sensors for french, finnish and chinese EPR
- in charge of the core monitoring system for chinese EPR
- Definition of the section quality processes

Developed skills: standards & norms - software design and validation - SQL - XML - python - c++ - Qt - neutronics - nuclear power plants - english

2007 - 4 months

Advantest, Paris

Position: In the R&D team of a Japanese company, I worked on the optimization of a high frequency spectrum analysis for telephony.

Developed skills: c - c++ - Qt - english - japanese

2007 - 6 months

Cliris - Behavioral analysis, Paris

Position: intern in a R&D team for behavioral analysis for marketing through computer vision.

Developed skills: fast image processing - computer vision - c++ - openCV - openMP - optimisation

2006 - 4 months

MSH - National center of research, Paris

Position: Intern in a R&D team on emotional states recognition of a dancer through her corporeal expressions.

Developed skills: image processing - computer vision - c++ - Qt - fuzzy logic

SKILLS

Languages

French: native speaker

English: fluent

German: basic communication skills

Japanese: basic communication skills

Engineering skills

Work environment: comfortable with Windows, Linux, OS X

Main programming tools: Python, Django, DRF, FastAPI, XML

Secondary tools: C, C++, Java, JS, React, storybook, HTML, CSS, PHP, SQL, assembler, VHDL, VB

General knowledge: OS architectures, maple, matlab, labview, TCP/IP, ethernet, protobuf, excel, access, UML

INITIAL EDUCATION

2004 - 2007

ECE School of engineering

Paris

Master's degree in embedded systems

Specialities: R&D

Option: international

2002 - 2004

Lycée Marcellin Berthelot

Paris

preparatory classes - major in mathematics

ADDITIONAL TRAININGS

2011 - 2017

Moocs

Paris

Inria Python 3, Inria big data

2009 - 2011

Supelec

Paris

professional trainings for designing complex systems

2006 - autumn

Polytechnique

Montreal

semester in embedded systems, real time and robotics

2005 - 2006

Conservatoire National des
Arts et métiers

Paris

evening courses in AI and intelligent systems

2004 - autumn

Staffordshire University

England

semester in electronics

PERSONAL

Side projects

2017 - freelancer as a web-developer in HTML/JS/CSS/PHP/Python

2017 - atlantic crossing with a sailboat

2015 - participation to developments of a family tree website in Django

2013 - development of a website in Django for a start-up

2005 - interactive juggling balls based on localisation by ultrasound

Interests

Squash (national competitions)

Sailing instructor

Skiing, diving, guitar, flute, juggling, photography, programming

Travels to Asia, Europe, and Canada

Founder of the juggling club of ECE – former president of the ECE NGA (Network Gaming Association)

Licenses

French driving license

French boat license

Sailing instructor

Radio telephonist

References are available upon request.