

Romain Duboc

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Career planning

Driving projects related to Internet of Things & Machine to Machine with environmental and societal impact

Work experience

Edelia (EDF group)

M2M Project manager

La Défense (Paris), France

Sept. 2011-Oct. 2015

- Supervised and ensured the proper functioning of our 30,000 sensors in France
- Ensured relationship with our hardware and software supplier
- Implemented secure M2M communication and drove the deployment of SSL chain
- Assisted sales to answer customers needs and specified new firmware features
- Developed embedded software appliances for Energy Gateway (EdeliaBox®)
- Qualified and delivered 6 main Firmware versions each year
- Trained installers and customer advisors before the operational phases

Morpho (Safran group)

Engineer intern

Cergy (Paris area), France

May-Aug. 2010 / Jan.-July 2011

WLAN on SmartCard project

- Developed prototype of Smartcard with integrated Wi-Fi to secure the connection.
- Identified existing systems and components and engineered electronic prototype (ARM926+STM32)
- Demonstrated functional solution in real condition

T2TIT project

- Implemented a software solution that enables communication between objects in the Internet of Things.
- Developed a fully functional demonstrator presented at the "Cartes Secure Connexions" event

Après La Classe (human services)

Developer (part time job)

Paris, France

Sept. 2008-May 2010

- Launched automatised payslip for thousand of participants
- Modernized information system and computerized any manual tasks
- Developed customer area with e-payment system, online suscription and baby sitters search engine
- Established interconnection between information system, accounting system and banking interfaces

Education

ESIEE Engineering School (graduate school)

Master's degree (Diplôme d'ingénieur)

Noisy-Le-Grand, France

2006-2011

- Electrical and computer science engineering majored in Embedded Systems
- Development of a Bluetooth controlled mobile robot and video transmission via an onboard camera
- Development of GPS+GSM mobile system to track and secure vehicle

Professional skills

LANGUAGES

- French: mother tongue
- English: working knowledge
- Spanish: basic

COMPUTER AND ELECTRONIC SKILLS

- Programming (more than 5 years exp.): Java (JEE, Android, OSGi), PHP, MySQL, JSON, REST
- Programming (less than 5 years exp.): C, JavaScript, HTML/CSS, VHDL (FPGA)
- Board/Platform: Arduino, Raspberry, ARM, Android, Windows, Linux
- Protocols: USB, SPI, I2C, CAN, IEEE 802.11 (Wi-Fi), W-MBUS, Zigbee, 6LowPAN, TCP/IP, SSL

Activities and interests

- Mobile apps and web development (myremotephone.appspot.com and smstophone.appspot.com)
- Water sports (sailboat, sailboard, wakeboard)
- Personal finance (helped people to manage their finance)