

Pascal Grange

Whatever happens is the only thing that could have. Do your best. Improve.

phone number

postal address

Regularly attend and sometime speaks in agile software related conferences including (in french):

- *à la chasse aux faux semblants* — http://youtu.be/SABiM46u5_k
- *développement guidé par les tests de rôles ansible* — <http://bit.ly/ansibletd>

Maintain or contribute to several open-source projects, including:

- bash unit testing enterprise edition framework for professionals — http://bit.ly/bash_unit
- SOAP client/server API for Java until SOAP is deprecated — <http://bit.ly/soapdust>

English: fluent / French: native

Professional Background

March 2018 – present: Chief Information Security officer - Infrastructure Engineer

LGO <https://lgo.group/>

Building and securing the leading institutional Bitcoin exchange in Europe. Approx. \$500.000.000 equivalent traded on the platform until february 2020. No major incident. *Funds are safu.*

High performance (target several millions orders per seconds). Test driven infrastructure as code.

Automated failure management (disk expansion, service restart, machine restart). Implementation of an on-call contract (just in case).

*role-unit, bash_unit, ansible, packer, terraform, consul, nomad, vault, Google Cloud Engine
aeron cluster, raft*

In charge of writing and implementing the security policy for the company, the trading platform and fund management.

*hardware security, pentest, bug-bounty, training, risk assessment, implementation of security reviews,
support to respond to regulators*

October 2011 – May 2018 : Manager of expert teams in web, telephony and NFC

Orange Business Services – Orange Applications for Business

Management of a team of five systems and network engineers and a project manager. In charge of recruitment.

*agile software development, lean-thinking, standards, technical sharing workshops, facilitation
skills mapping, one-on-one support*

Supporting change to evolve from a culture where system administration is performed *manually* to a *devops* and *infrastructure as code* culture.

ansible, docker, test driven software development, git, gitlab-ci, pair-programming, mob-programming

Collaboration with internal or client development teams (up to 70 people).

Frequent management of security audits, formalization of responses and follow-up of the countermeasures when needed.

In charge of designing, costing and building several customer platforms. Responsible for their quality of service, security and profitability for the company:

- multi-country web authentication platform using smartphone — *Mobile Connect*
- shared cryptography service — *Hardware Security Module as a Service*
- e-commerce website — client annual income over 150 M€

*debian, ha-proxy, varnish, apache, tomcat, hybris, mysql, oracle
continuous deliver, automation of security patches, ncipher Hardware Security Modules*

In charge of building a mobile NFC payment platform. Responsible for its quality of service and security.

Mastercard certification, payshield Hardware Security Modules, mobile carrier networks interconnection

In charge of a telephony platform with active replication over three distinct geographical areas.

debian, redhat, apache, tomcat, mysql, OMS Interactive Voice Response, puppet

November 2005 — September 2011 : Software Developer

Orange Business Services — CVF

Test Driven Development; frequent writing of executable specifications; building several continuous integration platforms; team leadership, project management and writing of commercial offers.

2011 — NFC access control for Orange corporate headquarters:

- Design the communication protocol between card readers and SIM card embedded software
- Coordination with Gunnebo, the manufacturer in charge of physical protection of the building
- Development of the SIM card embedded software
- Partner search and subcontractor management for the J2ME midlet development

*javacard, NFC, SIM, OTA, test driven development
subcontractor management, partnership coordination*

2010 — natural language automatic phone reception (more that 100 000 calls a day):

- Implementation of executable specifications (more than 3500 assertions)
- Design and implementation of a javascript library to build STUR frames for phone network
- Supervision of an internship to develop a test oriented voiceXML interpreter: <http://bit.ly/cudlvxml>

Java, Javascript, python, Voice XML, FitNesse

2005-2006 — Video portal for mobile phones:

- Introducing the team to test-driven development
- Design and implementation of an automated acceptance testing tool

September 1999 — August 2005 : Teacher in higher education

ENSEIRB — Université Bordeaux 1 — IUT Bordeaux 1

Education/training

2019 — FunAr functional architectures through practice — <https://funar.pankzsoft.com/>

2016 — LEAN et Excellence Opérationnelle — CUBIK Partners

2015 — Certified *ethical hacker* — EC-Council — Sysdream

2013 — Neuro-Linguistic Programming Technician — L'Institut de formation PNL

2012 — Team Management — Orange campus

2008 — Certified *Scrum master* — Pyxis

2005 — Ph.D in computer science — *Systèmes distribués : transparence, masquage et outils associés*
Université Bordeaux 1, Mention Très honorable