

# Pascal Grange

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

*phone number*

*postal address*

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

- *à la chasse aux faux semblants* — [https://bit.ly/hunting\\_fails](https://bit.ly/hunting_fails)
- *développement guidé par les tests de rôles ansible* — [https://bit.ly/tdd\\_ansible](https://bit.ly/tdd_ansible)

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

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

English: fluent / French: native / German: some basics and willing to learn more

## Professional Background

### May 2020 - present: Senior Software Engineer

Sinch <https://sinch.com>

Expanding a local (France) Software as a Service product to a global worldwide solution. Taking into account privacy and local regulations, security and cost of ownership. Ensuring software teams autonomy by progressive and supported change. Moving from a baremetal legacy solution to the cloud to achieve this.

*AWS, terraform, Cloud Development Kit, prometheus, ops'genie, Python*

Implementing 24/7 on-call duty contract to cover all timezones. Fighting against alert fatigue, identifying key critical alarms. Facilitate post-incident reviews.

*Problem Solving, facilitation, metrics, learning together*

### March 2018 – May 2020: Chief Information Security officer - Infrastructure Engineer

LGO <https://lgo.group/>

Building and securing the leading (at the time) 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 second). 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 funds management.

*hardware security, pentest, bug-bounty, training, risk assessment, implementation of security reviews*

### 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 one project manager.

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

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*

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 of the communication protocol between card readers and SIM card embeded software
- Development of the SIM card embeded software

*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)
- Supervision of an internship to develop a test oriented voiceXML interpreter

*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**

2022 — Strategic Domain Driven Design - *Maxime Sanglan-Charlier*

2019 — FunAr functional architectures through practice — *Arnaud Bailly et Frederic Merizen*

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