# Rodrigo OSORIO

Contact No :  00 +33 (0)6 26 85 28 58          Website : http://www.osorio.me

E-Mail    : [rodrigo@osorio.me](mailto:rodrigo@osorio.me)          GitHub   : https://github.com/rosorio

# Software Engineer

## TECHNICAL SKILLS

- Linux and FreeBSD kernel / usreland development
- Programming languages : C, C++, perl, ruby, shell script, SQL
- Network programming and protocols
- Version control system : svn, git
- Programming editors : vi(m)
- Systems administration under Linux and FreeBSD
- Database management : mySQL, postgreSQL, sqlite

- FreeBSD contributor since 2008 and port committer since 2014
- Technical talks : Fosdem (2009 & 2018) , RMLL (2010)

## EMPLOYMENT DETAILS

**SATCOM1 / HONEYWELL** (Le Bourget, France)          **June 2015 to Current**

Work in AvioIP, an airborne Internet application suite.

- Port AvioIP to new platforms (arm based board)
- Development in the AvioIP front-end (perl, php) and back-end (C, C++)
- R&D and benchmark on new Satcom systems (Global Express)
- In charge of writing the documentation and the user manual

**INTERSEC** (La Défense, France)          **December 2014 to June 2015**

Work in MCG, an SMS filter and gateway

- Develop new filters for the SMPP protocol (SMS/MMS) for Orange
- Write unit tests and technical documentation
- Working in the MCG architecture to solve network congestion issues

**IPANEMA TECHNOLOGIES** (Fontenay aux Roses, France)    **January 2011 to November 2014**

Work in the embedded network appliances  who provides visibility and control of data flows in WAN networks.

- Develop a new kernel module for IP packets proxification using the transparent proxy mechanisms
- Develop and maintain applications in userland and kernel for IP packets processing (routing, coloration, compression, acceleration)

**INEO SYSTRANS** (Achères, France)                    **January 2006 to January 2011**

Work in a real time passenger information system (PIS) for public transportation (bus, tramway), used for vehicles tracking, management and to provide real time schedule information.

- Develop features and fix bugs in multiple projects (Clermont-Ferrand, Mulhouse, Genève–Lausanne, Bruxelles)
- Team manager of the Real Time subsystem for the Jerusalem Light rail projects
    - Planning management for 2 developers
    - Write the specification for the new developments
    - Design the protocol and wrote the software to manage the radio system (mimic TETRA protocol in an IDEN network)


**SCHLUMBERGER SEMA / ATOS WORDLINE** (Montrouge)      **March 2001 to December 2006**

Work in a transactional server who delivers mobile phone prepaid e-vouchers for the three major french operators (Orange, Buygues, SFR)

- Maintain and debug the transactional server code
- Design and code new functionalities
- Design and code a tool to store, manage and import e-voucher PIN numbers into the server
- Design and implement a concurrency mechanism to increase the sever scallability, allowing tasks parallelization and redundancy

## EDUCATION

Engineer degree (software engineering & networks)                    2000
EPSI Bordeaux

## LANGUAGE SKILLS

- French  :      native languages
- Spanish :      native languages
- English  :      business level