Gilles Chehade
6, Rue Saget
44000 Nantes, France

<div align="center">

Research & Development
Lead developer, Backend & SRE

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Skills

- **Languages :** C, Python, Sh, PHP, LaTeX, HTML, CSS, SQL, ...
- **Systems :** OpenBSD, NetBSD, FreeBSD, Linux, OSX, ...
- **Architectures :** i386, amd64, alpha, sparc64, powerpc64, arm, arm64, ...
- **Editors/IDE :** emacs, vi, mg, vscode
- **Compilers :** gcc, clang/llvm
- **Debuggers :** gdb
- **Versioning :** Git, CVS, Subversion (svn)
- **Development techniques :**
  Secure development : privileges separation, privileges dropping, isolation, ...
  High-performances services development : non-blocking asynchronous I/O, libevent, ...
  Development in multi-threaded environments
- **Databases :** PostgreSQL, MySQL/MariaDB, SQLite, Redis, Riak
- **Services :** Apache, Nginx, Postfix, OpenSMTPD, Dovecot, bind, nsd, OpenSSH, ...
- **Web Framework :** bottle.py, CherryPy

Main areas of interests

- Network and system applications
- Cryptography and security
- Algorithms
- Unix

Education and Training

- in progress - Student in Work and Organisational Psychology at CNAM Pays de la Loire
- 2016 - Ericksonian Hypnosis Practitioner at Psynapse Rennes
- 2006 - Master of Computer Science at EPITECH.
- 2004 - Maitrise at EPITECH.
- 2004 - Bachelor of Computer Science at EPITECH.

Languages

- **french :** fluent
- **english :** fluent
- **spanish :** notions
- **arabic :** understanding of some dialects

Contact

- **e-mail :** gilles.chehade@gmail.com
- **phone :** 07.77.28.07.09

Professional experience

Since March 2017
    Vente-Privee - Remote work from Nantes
    R&D laboratory manager / Senior Lead Developer / Team leader / Architect
    — Audit of mailing infrastructure and practices, outside of my work prescription
    — Manager of 'lab epitech' opened by Vente-Privee at Epitech during six months
    — Design and implementation of a highly-available, scalable and distributed payment solution
    — Resources planning, technical choices, MVP and various PoCs
    — Assisted in the opening of a new office in Nantes and in the recruiting of new employees
    — Talks, meetups, tech events, ...

November 2012 - February 2017
    Dalenys (ex-Rentabiliweb) - Remote work from Nantes
    System developer / Team leader / Product owner
    — Research and development around an e-mail routing engine
    — Development of a HA, scalable and distributed e-mail routing solution
    — Development of a client/server API for that solution
    — Handling of deliverability to main ISP in France and US
    — Trafic analysis, limits detection and detection of anti-spam mechanisms
    — Preproduction, production, monitoring, troubleshooting, ...

June 2011 - November 2012
    SCALITY - Paris
    Research and development engineer
    — Research and development around a distributed SQL engine
    — MySQL proxy to proprietary engine

December 2009 - June 2011
    {EPITECH.} - Nantes
    Deputy Head of Studies
    — Classes, defenses, helping students debugging their projects, advices, ...
    — Created and managed the security laboratory

    Freelance side work
    — Various development and writing contracts
    — Sponsored opensource developments

July 2007 - December 2009
    EXALEAD - Paris
    Research and development engineer
    — Research and development
    — Preproduction and production
    — Packaging

    {EPITECH.} - Paris
    Speaker
    — Cryptography teacher

March 2006 - June 2007
    Compagnie Européenne d'Intelligence Stratégique (C.E.I.S.) - Paris
    Intern, then Junior Consultant
    — Research and development
    — Security audits
    — Firewalls administration (HA, multi-homing, ...)

Projects

— **OpenBSD** : official contributor
http ://www.OpenBSD.org

— **OpenSMTPD** : founder and main developer
https ://www.OpenSMTPD.org
https ://github.com/OpenSMTPD/OpenSMTPD.git

Publications

Private
— **C.E.I.S.** : "Patch Management"
— **C.E.I.S.** : "Incidents handling"
— **C.E.I.S.** : "Setting up a CSIRT"
— **C.E.I.S.** : "Botnet attacks and Fast Flux"
— **C.E.I.S.** : "The Zeus trojan"
— **C.E.I.S.** : "Evolution of viruses : from destruction to botnets"
— **C.E.I.S.** : "Secure programming"
— **C.E.I.S.** : "DDoS prevention and attacks"
— **C.E.I.S.** : "Virtualization : security, constraints and benefits"

Online
— **Phrack** : "dynamic polyalphabetic encryption cipher" (broken since then)
— **Blog** : https ://poolp.org

Talk
— **EuroBSDCon 2017** : "OpenSMTPD, current state of affairs"
https ://www.opensmtpd.org/presentations/eurobsdcon2017-smtpd/eurobsdcon2017-opensmtpd.pdf
https ://www.youtube.com/watch ?v=wnhvn1rsXR8

Book
— **Some book about OpenSMTPD** : currently being written

Hobbies

- Reading

- Music, mostly Jazz, amateur guitarist and beginner drummer

- Pubs, museums, concerts, beach, ...

- Development, hi-tech, gadgets, ...

- Practice of the Penchak Silat martial art

- Occasional practice of street hypnosis