

Mathieu AGOPIAN

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Born in 1979, Dual nationality (French/English)

Web craftsman

Professional experience (Details of technical and professional referees available on request)

- Since oct 2019 Betagouv, Web Developer (React, Typescript, Python): <https://index-egapro.travail.gouv.fr/>
- Since late 2018 Betagouv, Web Developer (Elm, Python, Typescript): <https://classe-a-12.beta.gouv.fr/>
- Since 2015 Mozilla, **Web Developer** (Django, Pyramid, React): <http://kinto.readthedocs.io/>
- Since 2013 Freelance backend **Web developer** (Django): <http://topchretien.fr>, <https://addons.mozilla.org>
- Since 2011 Novapost, Paris. **Web developer** (Django)
- Member of the web development team, in charge of the front and back end of a leading paperless payroll software company. Agile development, (functional) tests writing, pair programming.
- Since 2009 **Web craftsman**
- Ecole des Mines Paristech Alumni: **CV Book** (Django)
- Resumes writing for students, proof-reading by professionals, books creation (**PDF**) and mailing to alumni.
- [Sud Web](#) (HTML5, CSS3)
- Desktop and mobile designs integration using **HTML5** and **CSS3**.
- Marseille-Provence 2013: [Projects management](#) (Django)
- Sort, filter, track and evaluate projects proposed by cultural teams and associations for the 2013 **European capital of culture**. Funding is then allocated to the approved ones.
- Since 2008 Trustive, Sophia-Antipolis. **Web and development specialist**
- Subscribers, partners and resellers billing (Django)
- Advanced **billing tool**, taking into account several parameters including commissions, fees, commitments, currencies, special offers, plans, pre-paid or subscriptions or pay as you go...
- Android** WiFi and 3G [connection manager](#)
- Implementing the **WISPr** protocol for WiFi connectivity, and detection of Trustive's 3G networks, with a mobile version of the hotspot locator, and built-in subscription process.
- Customer relations management (Django)
- Tailored **CRM** developed to track partners and resellers contracts.
- [E-commerce website](#) (PHP)
- Fully **rebrandable** pages for resellers, used by customers to subscribe to a variety of promotions, offers, plans, and options. A **REST API** is also available for partners to create accounts.
- [Public website](#) (Django) and "[hotspot locator](#)" (Javascript)
- Desktop and mobile complete redesign, ported from a previous version in PHP. The hotspot locator was developed with **speed** and **ergonomic** as main targets.
- 2005-2008 Centile, Sophia-Antipolis. **Support engineer, product support, projects manager**
- Trace getter (JSP)
- Automatic trace collection, based on Centile's **VoIP Softswitch**. Aimed at operators needing to collect large amounts of traces in different locations, without access to the servers.
- Migration tool (Python)
- Customers migration python module to switch from a **XML** to a **database** based version.
- Knowledge base (Dokuwiki, PHP)
- Installed and tailored a Dokuwiki, and redacted most of the technical articles, FAQs, and tutorials.
- 2002-2005 Cybernetix, Marseille. **Research engineer, PhD student (CIFRE)**
- Modelled, simulated and validated an automata (IF), implemented a visualization tool (Java)

Solar bombardment simulation in spatial context (VC++)
Piloting software for a huge light bulb concentration engine, with high **security** features.

Education

2002-2005 Université de Provence, CMI, Marseille (CIFRE). **PhD student in computer science**
2001-2002 Université de Provence, Marseille. **Master's degree in computer science**, with honours
1999-2000 University of Central Lancashire, Preston, UK (Erasmus). **BSc Computer Studies**, with honours
1998-2001 Univerisé Avignon. **IUP GMI** (Génie Mathématique et Informatique), with honours
1996-1998 Université Joseph Fourier, Valence. **Deug 1 MIAS**
1995-1996 Lycée Camille Vernet, Valence. **Baccalauréat Série S**

Languages

French Native speaker
English Fluent

Skills

Programming languages:

Expert: elm

Expert: Python

Competent: Javascript

Occasional user, interested in: Rust, Clojure(script), Elixir

Operating systems: Archlinux, Ubuntu, Debian, OSX

Databases: PostgreSQL, MySQL and NDBCluster, SQLite, SQL Server

Web framework: Django

Web standards: Daily development using HTML5 and CSS3

Project methodology: continuous integration, continuous deployment

Revision control: Git, Mercurial

Issue tracking systems: Github, Bitbucket

Conferences

Speaker full list available on <http://mathieu.agopian.info>

Personal interests

Open source contributor: <http://github.com/magopian>, <https://framagit.org/magopian>, <http://bitbucket.org/magopian>

Artificial intelligence teacher for high school students in Marseille

Summer camp counsellor, director, and scout leader for 4 years

Invited to judge international Robotics competition in 2004 and 2005

Robotic club founder in Marseille, competed in the French national robotic contest in 2005

Sports: Badminton, mountain bike

Occasional Go player