

SENIOR PYTHON/WEB/DEVOPS DEVELOPER & AI ENGINEER

Pascal Chambon, 41 years old

Lyon, France

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Focus	Expertise in Python language and Django framework Agile development of applications and websites Experience in FastAPI, Vue.js, cybersecurity & cryptography, embedded development, Android and iOS Python ports Strong software architecture vision Expertise in AI-assisted spec-driven development
Languages	Python & Web expertise (Html5, CSS3, Javascript, CORS) Data languages (csv, json, yaml, xml, parquet, rst...) Understanding of Java, C, C++, PHP, Golang, Bash... Technological monitoring on other languages (Pypy, Rust, Ruby, WebAssembly...) and on desktop/web/mobile technologies
Libraries	Django , Django-Cms, Django-Rest-Framework, SQLAlchemy, FastAPI , SCSS, VueJS , JQuery, Gettext, Selenium, Pywinauto, RobotFramework, Kivy... DB: PostgreSQL, MongoDB, Redis, Memcached, ZODB...
Internet	Nginx, Apache, uWsgi, RPC and Restful webservices
Embedded	Raspberry PI, Arduino, ESP32, MSP430, Micropython. Embedded protocols (SPI, I2C, I2S, UART...)
Methodologies	AI Spec Driven Development (Openspec) , Design Patterns, Concurrency and parallelism management, Source versioning, Unit and functional testing, Continuous integration, Automated documentation, Monolith & Microservice architectures, DDD/CQRS/Hexagonal and Event-driven architectures
Networks	OSI model, Ethernet/Wifi/Bluetooth/BLE, UDP/TCP/IPv6, DNS, HTTP, SSH/SFTP, POP/SMTP, SSL/TLS security...
IDE and Tools	Git, Pycharm, VisualStudioCode, LibreOffice, 3D/2D/SVG design, Jira/Slack/Mattermost/Confluence
Systems	Devops automation with Ansible Basics of Cloud management on AWS and Openstack System administration under Linux (Ubuntu) and Windows Virtualization of systems under Docker, Vagrant, VirtualBox, Hyper-V

Github depots: <https://github.com/pakal/> and <https://github.com/WitnessAngel/>

- * Founder and lead-dev of the **Witness Angel project** (<https://witnessangel.com/>)
- * Developer and author of the roleplay games of Chrysalis (<http://chrysalis-game.com>)
- * Python package author: Rsfile and Django-compat-patcher

EDUCATION

Telecom ParisTech	Engineering degree - IT & Management course	2008
Preparatory classes	Star MP section at the Lycée du Parc (Lyon)	2005
Baccalaureate	S Series, mention Very Good	2003
Languages	High level in French (writing novels and essays) Fluent English, technical IT vocabulary German (basics) and Japanese (basics)	

SOFT SKILLS

Curiosity · **Tech' leadership** · *Humor and Creativity*
Perfectionist with Deadlines · **High autonomy** · **Mentoring**

RECENT MISSIONS

05/2026 – 10/2026 **Lead Software Architect on Magmalys SFINX project**
05/2025 – 04/2026 **FastAPI/PostgreSQL developer for Bedrock Streaming on AWS**
11/2024 – 04/2025 **FastAPI/PostgreSQL developer for EDF-SolutionsSolaires on AWS**

EARLIER EXPERIENCE

2019 – 2024 **Fullstack developer** missions for Lorkid SAS, S2E Consulting, and MonUnivert (Python & VueJS, PostgreSQL, Leaflet maps)
01/2021 Design of Python certifications for Isograd
10/2020 **Integrated freelance at Stormshield:** Development of a Dashboard for automated tests on Windows virtual machines
12/2019 Teaching of Python/Git courses at Webtech/Ynov in Lyon
08/2019 – 11/2019 **Freelancer at Stormshield:** Implementation of automated tests of HMI, USB keys, and migration of the code base to Python3
08/2018 – 05/2019 IT Course Mentor, Python/Django trainer, technical tests writer
05/2017 – 07/2018 **Freelance integrated into Askin:** Development of intranets and websites in Django, collaboration on a multi-cloud deployment software package for Altair.
02/2017 – 03/2017 **Part-time assistant at the Faculty of Sciences of St Etienne:** Supervision of TDs and TPs on Bash and Python for students in Math/Physics/Chemistry/info.
05/2016 – 05/2017 **Freelance services for startups:** Development of a SAAS Business Intelligence platform in Django for Creavalue.com; Code audit (robustness, scalability, security) and technical advice for the company Convergence
06/2014 – 06/2016 **Co-founder and CTO of Upfit SAS:** Creation of a web plugin (AngularJS & Responsive Design) for clothing size advice for E-commerce sites, as well as associated Python webservices and extranets, with BigData algorithms.
10/2009 – 03/2016 **Freelance at SFR:** Software architect, lead developer, and sysadmin on the PIMS framework, a multilingual platform (flat files, html, soap, xmlrpc, jsonrpc, REST, etc.) offering services to both landline and mobile users
09/2008 – 10/2009 Missions with Alten SIR, for Orange, Orange Labs, Eutelsat and Musiwave: C++/PHP/Python/MySQL web & network applications