

In this document there is a section for programming languages and environments, layout and Ops/DevOps. For anything that this document doesn't answer: just call me.

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Programming languages

Generally, I value clear code and reusable classes/methods/functions. I am known among my colleagues for surprising them that we have already solved a problem or have already established a library on a topic: it's important to me not to reinvent the wheel. That's why I code on open source projects in my free time.

JavaScript / TypeScript profound experience

Lots of experience with Highcharts for charts, jQuery for DOM manipulation, test development with Cypress, PhantomJS and CasperJS. I also bring some Node.js with me. I would be happy to get back into the decoupled world of React, Vue or Angular. I also worked with TypeScript and love it.

Python profound experience

Web applications using Flask, Django, FastAPI, NumPy, REST, Jinja & as part of Ansible; PyCharm IDE.

PHP profound experience

For numerous web projects in frameworks like Symfony, Drupal 6-10 and MediaWiki; PHP as a shell script language; I am very fond of classes, traits and PHPUnit; Interaction with JavaScript (AJAX, automated tests) and several APIs; MariaDB, MySQL, PostgreSQL and MSSQL queries; Composer is essential for dependencies; I like types and PHPStan; I usually use PhpStorm or VS Code as my IDE.

Golang some experience

Experience writing CLI tools, small web applications and a Telegram bot.

Pascal / Delphi profound experience

Windows Application Development, REST Services, Component Design, interaction with the Win32 API; mostly with automatic tests.

C# profound experience a few years ago

Web applications using ASP.NET on IIS, Windows applications using WinForms, XAF framework.

ColdFusion profound experience

For MSSQL-driven web projects.

C/C++ profound experience a few years ago

Templates, boost, STL; Real-time programming with threads, semaphores, timers. Microsoft IDEs & Compilers, Borland Compilers, gcc, Lint.

Visual Basic 6 profound experience a few years ago

Winsock IP programming, extremely fast development of user interfaces, VBA programming (Word, Excel, Access), ActiveX

I also had good experiences with AutoHotkey, MATLAB, R, ActionScript and Java a few years ago.

Programming environments

Web profound experience
Object-oriented PHP programming, Python, JavaScript development; create your own REST APIs and use third-party APIs; Drupal programming for more than 10 years; MediaWiki; Set up TYPO3, maintain content.

Windows profound experience
Win32 API programming for user interfaces, multi-thread programming, DirectX programming. Programming languages Visual Basic 6.0, C++, Delphi
In-depth experience with operating system and application administration.

Linux profound experience
Especially Debian and Ubuntu (and some Rocky/CentOS); Setting up a number of tools and services; Docker; Træfik, nginx, LAMP server setup, Linux as a guest within with Hyper-V, VirtualBox, VMware.

Command line profound experience
Bash and shell scripts are very important part of my productivity. I also don't shy away from PowerShell and Cmd.exe.

Embedded/µController a lot of experience a few years ago
For Analog Devices ADuC842 development of an LCD-based controller for laser power supply, programming language C;
Portable Embedded GUI (PEG, Swell Software)
RTKernel-16, RTOS-32 (On Time Informatik GmbH)
RTLlinux (Wind River)

Cloud profound experience
Renting VMs and physical servers from hosters such as Hetzner, Digital Ocean, AWS EC2, All-Inkl. Interacting with their APIs and support.

Layout

HTML+CSS profound experience
implementing layouts for all popular browsers.

Office profound experience
PowerPoint for slides and posters, Word and Excel for reports of all kinds; automation with COM and VBA; I've also used LibreOffice a lot.

Pixel and Vector profound experience
I often use GIMP and Inkscape for image touch-ups, graphics and layout tasks.

Markdown profound experience
CodiMD, GitLab, GitHub, Pandoc, WikiJS and the omni-present README.md file.

TeX/LaTeX some experience
Automated generation of beautiful documents.

Operations and DevOps

Docker profound experience
Writing Dockerfiles & docker-compose.yml; Setting up & using your own registries; generating images in CI pipelines from GitLab; Programming and interactive work within containers.

Vagrant profound experience
Maintaining vagrant files; Creating Hyper-V and VirtualBox VMs.

GitLab-CI profound experience
Writing pipelines for linting, static code analysis, automated testing, staging and deployment.

Ansible profound experience
Writing roles and playbooks to automatically set up servers and VMs. Infrastructure as code also greatly simplifies the documentation of server setups.

Icinga2 profound experience
Infrastructure monitoring and documentation; automatic validation of Icinga configuration based on rules, e.g. whether all vars entries are correct using the Icinga DSL.

Travis CI some experience
Running PHPUnit tests via GitHub Actions.