

Rene Petty

SOFTWARE DEVELOPER · FACHINFORMATIKER – ANWENDUNGSENTWICKLUNG

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SUMMARY

I'm a developer trained in Germany, with hands-on experience across the full software development lifecycle — from requirements analysis and implementation to automated testing. Most of my experience is with PHP and Laravel, along with a solid grasp of object-oriented programming, REST APIs, relational databases and version control.

I'm motivated to keep growing professionally, pick up new technologies and continuously improve software quality. Croatian is my native language; I use German and English at a C1/C2 level.

SKILLS

Programming languages & technologies: PHP, JavaScript, SQL, HTML, CSS

Frameworks & development: Laravel, Livewire, Blade, Tailwind CSS, WordPress

Concepts & architecture: OOP, REST API, MVC, service-layer architecture, relational databases, data modelling, automated testing

Tools: Git, Composer, PHPUnit, Node.js / npm, Vite, VS Code

Additional skills: requirements analysis, project planning, IT support & helpdesk

Languages: Croatian – native · German – C1/C2 · English – C1/C2

PROJECTS

Customer Minishop — internal reordering web app — Laravel 12 · PHP 8.5 · Tailwind CSS · MySQL

IHK final project, 2026

- Independently built an internal web app letting business customers easily reorder consumables, digitising and automating a previously manual phone and email process.
- Integrated a third-party ERP REST API (Desk4) — including JWT authentication, token caching and automatic request retry on failure — behind a cleanly separated service layer.
- Implemented automatic calculation of each customer's three most-ordered products from invoice history, a session-based cart, and hourly product sync via the Laravel scheduler.
- Wrote 15 PHPUnit tests (all passing) and delivered the project within the planned 80-hour budget.

EDUCATION & PRACTICAL TRAINING

Fachinformatiker für Anwendungsentwicklung (IHK) — WBS Training AG · Sigmaringen, Germany

09/2023 – 07/2026

IHK Bodensee-Oberschwaben — vocational training focused on software development, programming, databases, web application development and automated testing.

Practical training within the apprenticeship

- Hands-on development and maintenance of software solutions.
- Web application development in PHP, Laravel, JavaScript and SQL.
- Working with relational databases, REST APIs and Git version control.
- Requirements analysis and planning the implementation of features.
- Implementation, testing and documentation of software solutions.
- Applying object-oriented programming and MVC architecture.
- IT support and helpdesk alongside development tasks.
- Applying acquired knowledge to real projects and business requirements.

Two-year vocational school completed with the Fachschulreife (intermediate secondary qualification), focused on general and vocational education and preparation for further studies.

Vocational training in metalworking technology, industrial machinery and production systems.

Practical part of the apprenticeship — KNOLL Maschinenbau GmbH · Bad Saulgau, Germany

- Operating, setting up and monitoring production machinery and systems.
- Working with software interfaces and control systems of industrial machines.
- Monitoring and adjusting production parameters via machine control software.
- Producing and inspecting components to technical and quality requirements.
- Tracking production processes and spotting deviations during machine operation.
- Maintaining machines and identifying simpler operating faults.
- Carrying out assembly work and working from technical documentation.
- Applying safety and quality standards in industrial production.

LEADERSHIP & INVOLVEMENT

Student Representative & member of the Landesschülerbeirat (LSBR) Baden-Württemberg

- Elected twice as student representative of my school and elected to the Landesschülerbeirat (LSBR) Baden-Württemberg — the state student advisory council representing the interests of ~1.5 million students to the Ministry of Education.
- Actively represented student interests at school and state level, gaining experience in public speaking, communication and taking responsibility.