

MICKAEL KNOP

Senior Software Developer

I have been a developer for just over 4 years and have worked on projects built with different languages such as PHP, Python, and JavaScript, although currently, I am familiar with most high-level languages. I also graduated in Information Systems in 2020, which granted me a bachelor's degree in the field.

Since I started, I have worked with different types of systems, such as product delivery, banking prospecting, on-demand SAAS implementation, real-time chat using websockets, virtual stores with CMS, among other models. Today, I have generalized knowledge and occasionally deeper knowledge in certain software development approaches, including data modeling and structure, gathering functional and non-functional requirements, UML diagrams, OOP best practices, architectural principles like clean architecture, responsibility layers, event-driven software, patterns like MVC, Domain-driven, queues and background batch routines, microservices, serverless, and other knowledge of cloud-based architecture, such as VMs, containers, pod clustering, logging services, debugging, monitoring approaches, container registry, centralized authentication, code integration and deployment pipelines, git flow, IaC, and through my graduation, I also gained a foundation in more areas like networks, having an understanding of TCP, UDP, IP, HTTP, DNS, OSI model, VPC, Unix-like operating systems like Linux and Windows, knowledge about hardware, and the responsibility of each component of a computer.

Professionally, I have maintained server-side applications built with JavaScript frameworks like Express and Nest.js using non-relational databases like MongoDB, PHP frameworks like Slim, CodeIgniter, and mainly Laravel, and Python with Flask using relational databases like MySQL and SQLServer respectively. On the client side, I mainly used Vanilla JS and jQuery, but also TypeScript with React and Angular. There are indeed more technologies that I have knowledge about, such as Vue.js, Quasar, Next.js, SSG, SSR, SPA, TDD w/Jest, e2e w/Selenium, among other stacks in this vast universe of possibilities, but of course, I recognize that I have a lot more to learn and master.

Previously, I worked as a Tech Lead in agile development squads alongside Product Owners, Scrum Masters, Quality Assurance Engineers, and other software developers of different seniorities, which gave me familiarity with tools like Jira and practices like Code Review and task delegation.

I have English at a conversational level, being able to read, write, and hold different conversations with stakeholders.

Currently, I am more focused on expanding and deepening my technical capabilities, but of course, without neglecting the soft skills necessary for a harmonious evolution in the industry.

CONTACT

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EXPERIENCE

Company: DataInfo

Position: Software Developer

Period: 05/2023 – present

Technologies: JavaScript, TypeScript, Node.js, Microsoft Office API, Microsoft Graph API, Single Sign-On, Clean Architecture, and Test-driven Development

Description: I am developing the integration architecture of a legal sector application that uses Microsoft APIs and aims to manipulate and transform documents in an automated way, a process that until now, was done in a legacy system that no longer meets the client's needs

Company: PlanMob

Position: Back-end Developer

Period: 10/2021 – 11/2022

Technologies: JavaScript, AngularJS, PHP, Slim Framework, PHPUnit, OAuth2, Dependency Injection, Docker, Node.js, Express, MongoDB, Swagger, S3, EC2

Description: I maintained a delivery API for orders in Node.js. I integrated with third-party services to migrate and replace the use of local files with cloud storage. I also created a BFF for the main API that acted as a V2 version of it, where I used PHP, OAuth2, Eloquent with MongoDB, clean architecture, containers, integration testing, and documentation with Postman

Company: TrioMidia

Position: Full-stack Developer

Period: 05/2020 – 08/2021

Technologies: PHP, Laravel, Vue.js, MySQL, PhpMyAdmin, Postman, SSH, Linux, Digital Ocean, Expo

Description: I developed institutional and e-commerce software with content management systems. Mobile applications with Expo. I was also responsible for managing the infrastructure of the applications