Alvaro Luiz Marinho Pereira

Systems analyst and graphic designer

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Systems analyst and graphic designer with 10 years of software development and front-end tech lead since 2018. I gather the requirements, design the interface and write the system, from the database to the screen. Six custom systems in production, each built end to end.

Experience

Oct 2021 – present	**Systems analyst**, I9 Partner. Software development and support (full stack), front-end tech lead, automated tests, interface design, intern training.
Jan 2020 – present	**Graphic designer**, Freelancer. Visual identity, editorial and interface design.
Apr 2018 – Oct 2021	**Systems analyst**, PareBem Estacionamentos. Software development and support (full stack), front-end tech lead, automated tests, interface design, intern training.
Aug 2016 – Mar 2018	**Software developer**, HINOVA Soluções Digitais, Belo Horizonte, MG, Brazil. Development and support (full stack), requirements gathering, customer support, intern training.
Apr 2016 – Jul 2016	**Programming intern**, HINOVA Soluções Digitais. Development and support (front end), customer support.
Dec 2013 – Nov 2015	**IT intern**, UFVJM, Diamantina, MG, Brazil. Systems support, reports, customer support.

Own systems

03/2026	**SigeSind**, union. The union tracked members and partner agreements on paper, and the printed membership card had to be redone every year.
07/2026	**ContaFilé**, restaurant. The restaurant wrote orders by hand and relied on third-party apps to sell by delivery.
03/2026	**CondoMínimo**, condominium. The condominium split expenses and gas in a spreadsheet, and the annual financial report took days every year.
11/2026	**ExaMelhor**, health tests. Test results were scattered across PDFs from different labs, and nobody could see how a result changed over the years.
09/2026	**IArdim**, plants. People who care for plants at home water, fertilize and treat them from memory: they forget, or repeat too soon.
05/2026	**EconoMês**, household finances. The household budget lived in a spreadsheet nobody kept up to date.

Education

2019 – 2021	**Technologist degree in Graphic Design**, IESB, Brasília, DF, Brazil.
2011 – 2016	**Bachelor's degree in Information Systems**, UFVJM, Diamantina, MG, Brazil.

Skills

Front end: Angular (versions 14 to 22, standalone, signals), TypeScript, JavaScript, RxJS, HTML, CSS, SCSS, Bootstrap 5, Responsive layout, PWA (service worker, push notifications, installation), Accessibility (WCAG AA).

Back end: Node.js, Express, REST APIs, Sequelize, JWT authentication with refresh token, Multi-tenant architecture.

Data: MySQL, MariaDB, Relational modeling, Migrations.

Quality: Automated tests (Jest, Vitest), ESLint, Code review.

Design: Figma, Photoshop, Illustrator, Interface design (UI), User experience (UX), Prototyping, Visual identity, Editorial design.

Delivery: Git, GitHub Actions, nginx, PM2, Linux.

Process: Agile methods (Scrum, Kanban), Requirements gathering, Process mapping and improvement, Front-end technical leadership, Intern mentoring, Customer support.

Project experience: React, Next.js, PostgreSQL, MongoDB, Docker, GitLab CI, Web Bluetooth, Publishing libraries on npm, Tailwind CSS, NgRx or Redux, End-to-end tests (Cypress or Playwright), GraphQL, Design system, AWS or another cloud.

AI applied to development: AI development environment, set up by me.

npm libraries: ng-generate-table, ng-collapse, ng-dd-file, ng-month-year-picker, ng-bs-calendar, ng-bs-modal-service, ng-bs-pagination, ng-bs-toast-service (github.com/alvaromarinho/libs).

Languages

Portuguese (native), English (intermediate), Spanish (basic), Italian (basic).