

Alejandro Palmer

Senior Software Engineer

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ABOUT ME

Senior Software Engineer with 9+ years of experience in the software industry, with a strong focus on frontend development and solid hands-on experience across the full stack. Strong proficiency in React and JavaScript/TypeScript, with experience building scalable web applications and solving complex technical problems across the stack.

SKILLS

Frontend: React · Next.js · TypeScript · JavaScript · Redux · React Query · HTML5 · CSS3 · Tailwind CSS · Styled Components · Responsive Design

Backend: Node.js · NestJS · GraphQL · REST APIs · MongoDB

Tools & Delivery: Git · GitLab CI · Webpack · Vite · Storybook · Jest · React Testing Library · Docker

Architecture & Engineering: Full-Stack Development · GraphQL Federation · Micro Frontends · API Design · State Management · Automated Testing

EXPERIENCE

Senior Software Engineer

Jul 2025 — Present

Living Homes · Sofia, Bulgaria

Worked across multiple products within the Living Homes smart-home ecosystem, contributing to frontend architecture, full-stack development, and developer experience.

- Developed core frontend features for an AI-powered smart home platform with a zero-touch interface for autonomous home device management.
- Improved the smart home application resilience by introducing self-recovery mechanisms and robust error-handling flows.
- Developed a floor plan authoring tool from the ground up using React, Redux, and Three.js, enabling interactive polygon editing and sensor placement workflows.
- Implemented a federated GraphQL microservice using NestJS and MongoDB to support floor plan management capabilities.
- Built a full-stack administration portal with Next.js, MongoDB, and Tailwind CSS for managing Living Homes client entities and configuration.
- Designed a flexible configuration system supporting inheritance, overrides, validation, and export capabilities.
- Introduced React Query and React Compiler to improve application maintainability, performance, and developer experience.

Technologies: React, TypeScript, JavaScript, Next.js, Redux, Three.js, Motion, NestJS, GraphQL Federation, MongoDB, TailwindCSS, HTML, CSS

Senior Front-End Engineer

Feb 2021 — Jul 2025

SolarEdge Technologies · Sofia, Bulgaria

Worked as a Senior Front-End Software Engineer for the Designer and One Manager products.

One Manager — May 2023 — Jul 2025

Web application developed for O&M (Operations and Maintenance) companies to monitor solar systems in the Commercial and Industrial sector.

- Implemented and extended new and existing features using React and Redux.
- Optimized RTL test execution time by 75%.
- Introduced Redux Toolkit Query increasing development efficiency for data fetching and caching operations.
- Integrated several Micro Frontends in the One Manager application.

- Proposed improvements for the Design System library, including bundle size optimization, improved testing strategies, and implementation of visual regression testing.
- Wrote tests using React Testing Library and Storybook tests.

Designer — Feb 2021 — May 2023

Web application that allows customers to design and plan their PV installations.

- Introduced Storybook as a development tool for a proprietary component library.
- Implemented and extended new and existing features using React and Redux.
- Created tests using RTL.
- Refactored code into multiple reusable libraries shared among Designer and new applications in development.
- Reviewed merge requests on a daily basis.

Technologies: React, Redux, RTL, Storybook, Webpack, Vite, Micro-Frontends, GitLab

Member of Technical Staff

May 2019 — Feb 2021

VMware · Sofia, Bulgaria

Worked at VMware in the PSCoE department, specifically in the T-Systems Future Cloud Infrastructure project.

- Responsible for testing the whole MVP solution along with the client (T-Systems) on 5 out of 7 customer environments, providing fixes on the fly and fixing critical issues for the MVP release under tight deadlines.
- Extended an existing pipeline task execution framework to support vRA blueprint generation and automated the configuration and creation of infrastructure components for VMware products including vSphere/vCenter, NSX, vRealize Operations, and vRealize Log Insight.
- Created user-oriented services for VMware products including vSphere/vCenter, NSX, vRealize Operations, and vRealize Log Insight, and created workaround solutions for REST API limitations in VMware products.

Software Engineer

Sep 2014 — Feb 2019

Freelancer · Havana, Cuba

Built and maintained web applications, Windows services, and reporting tools for corporate and commercial clients.

- Implemented a corporate website for company executives using ASP.NET MVC and SQL Server 2012.
- Implemented a Windows Service to continuously check system status, send custom notifications regarding synchronization, and automate synchronization.
- Implemented a Report Generator tool supporting customized reports, filtering, import/export, Excel/PDF output, and SQL query generation, and created stored procedures to improve application performance.
- Implemented commercial, administration, and Auto Shop websites for evaluating providers and creating Requests for Tenders, managing enterprise activities, and controlling Auto Shop activities.

PROJECTS

Personal site & AI CV assistant

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A personal website built with Next.js that showcases my professional experience in an online résumé format and includes an AI assistant, allowing recruiters to delve deeper into my career history.

- Built the site with Next.js App Router, TypeScript and Tailwind CSS, using different rendering strategies including SSR, ISR and PPR depending on the page.
- Built a conversational AI assistant with streaming responses, tool calling and retrieval from a curated knowledge base.
- Organized the codebase using Clean Architecture and feature-based structure, keeping application logic separate from infrastructure such as PostgreSQL and Drizzle.
- Added a standalone Playwright test suite covering the main user flows and deployed application.

Technologies: Next.js, React Server Components, TypeScript, Tailwind CSS, shadcn/ui, Responsive Design, Vercel AI SDK, Playwright, PostgreSQL, Zod

EDUCATION

LANGUAGES

- **Spanish** — Native
- **English** — C1