Pedro Antonio Arenas Lara

Senior Full-Stack Engineer | SaaS, Cloud, and Scalable Frontends
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Languages: Spanish (Native), English, French

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PROFESSIONAL SUMMARY

Senior Full-Stack Engineer with 8+ years designing, developing, and leading delivery of high-performance web and mobile applications. Expert in React 18, Vue 3, Next.js, Nuxt 3, and AWS cloud architecture. Proven track record in reducing infrastructure costs by 30%, improving performance by 45%, and shipping scalable SaaS solutions across fintech, e-commerce, and B2B. Adept at leading teams, mentoring developers, and aligning technology with business goals.

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CORE SKILLS

- **Frontend**: React 18, Vue 3, Nuxt 3, Angular 16, Next.js, SSR/SSG, Vite, TypeScript
- **Backend**: Node.js, Django, Python, Express.js, REST, GraphQL, WebSockets
- **Cloud & DevOps**: AWS (Lambda, S3, CloudFront, DynamoDB, API Gateway), Docker, CI/CD, GitHub Actions
- **Databases**: MongoDB, PostgreSQL, MySQL, DynamoDB, Firebase
- **Practices**: Agile/SCRUM, TDD, System Design, Performance Optimization, Architecture Design
- **Testing**: Unit test(vitest, jest, pytest), integration test, e2e test (cypress, playwright) Also, mix playwright jest and cucumber, to make sure we achieve the requirements.

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PROFESSIONAL EXPERIENCE

Senior Frontend Engineer – Nextlane, Madrid
Jan 2024 – Present

Lead the architecture and delivery of Next.js-based enterprise applications, ensuring sub-second load times and scalable design.

- Collaborated with backend teams to integrate APIs efficiently, reducing API response times by 25%.
- Implemented component libraries and SSR strategies improving SEO and accessibility scores by 20%.

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Full-Stack Developer (Freelance) – Global Clients
Jul 2018 – Present

- Delivered 20+ custom web/mobile projects for startups and enterprises, aligning technical solutions with business growth goals.
- Stack: Vue.js, Angular, React, Django, Node.js, AWS.

Highlighted Projects:

- Tostarica – Developed interactive marketing site, scaling to 500k+ monthly visitors without downtime. Https://tostarica.com
- Udima – Implemented LMS features improving student engagement by 35%. Https:// udima/es

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Engineering Manager – Buscorepuestos (Side Project)
Jan 2022 – Aug 2024

- Defined system architecture and tech stack for an auto parts marketplace, integrating AWS-based infrastructure for high uptime.
- Led a 5-person dev team, implementing CI/CD pipelines reducing deployment time from 1h to 10min.
- Increased search efficiency by 40% with optimized queries and caching strategies.

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Full-Stack Developer – WITH Madrid
Feb 2021 – Jan 2024

- Built client-facing apps in Django/Wagtail + Vue.js for Credit Agricole, Agorapay, and Tecnatom.
- Optimized "Quiz T Bot" learning tool, increasing retention rates by 25% through gamification.

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Full-Stack Developer – Abanico Networks
Jan 2021 – Feb 2021

- Delivered responsive Vue.js + PHP apps for cultural institutions, ensuring WCAG-compliant accessibility.

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Full-Stack Developer – Squaads
Nov 2018 – Dec 2020

- Developed cross-platform apps with Angular, Vue.js, Node.js, AWS, Firebase.
- Built real-time features handling 50k+ concurrent users.

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Software Engineer – LightBee
Jul 2018 – Jul 2019

- Developed iOS/Android apps in Swift/Java for VLC (Visible Light Communication) tech.
- Containerized deployments with Docker, reducing release errors by 80%.

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ACHIEVEMENTS

- Delivered 20+ freelance projects with 95% client retention.
- Implemented a dedicated test environment that reduced production errors by 90% and introduced architectural improvements that increased developer productivity by 63%.
- Reduced AWS hosting costs by 30% for multiple projects via optimized architectures.
- Improved page performance scores to 95+/100 for enterprise-level applications.

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EDUCATION

- BSc in Telecommunications Engineering – Universidad de Las Palmas de Gran Canaria (2012–2018)
- Full-Stack Development – Escuela de Organización Industrial (2018)