

Andrew Walpole

Senior Engineering Leader &
Principal Front-end Developer

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KEY STRENGTHS & SKILLS

Full-Stack Development, API Architecture, Scalable Solutions, Performance Optimization, Leadership & Team Management

Front-End: JavaScript, TypeScript, React, Vue, Astro, Next.js, Lit, Web Components, HTML, CSS, SSR, SSG

Back-End: Node.js, REST APIs, GraphQL, MySQL, PHP, NoSQL (MongoDB), Headless CMS, Serverless Architectures

Cloud & DevOps: AWS, Azure, Google Cloud, Vercel, Git, GitHub, Bitbucket, CI/CD Pipelines

Leadership: Strategic Planning, Agile/Lean Methodologies, Product Management, Talent Development

Technical Expertise: Application Architecture, MVP Development, UX/UI Design, SVG Animations, Game Development, 3D Modeling

Design & Tools: Figma, XD, Photoshop, Illustrator, After Effects, Fusion 360, Processing, and more!

EDUCATION

B.S. Web Design & Interactive Media

The Art Institute of California - San Diego, 2005-2008

A.E. Software Engineering Technology

The Oregon Institute of Technology, 2003-2005

PROFESSIONAL SUMMARY

- **Strategic engineering leader with over 20 years of experience driving scalable web architectures, optimizing development workflows, and leading high-performing teams.**
- Passionate about technical business strategy and operational excellence, serving as a key driver of innovation, growth, and efficiency by aligning engineering initiatives with company objectives.
- Proficient in both front-end and back-end development, I collaborate effectively with cross-functional teams to deliver high-quality, accessible, scalable solutions.
- Skilled leader constantly exercising clear communication, strategic planning, and continuous growth, ensuring that teams stay aligned and productive while meeting business goals.
- A forever player-coach: staying in-tune with a deep understanding of company operations while building genuine, trusting, working relationships with my team; growing capabilities through mentorship and delivering high quality work over the long-term.

CAREER / PROFESSIONAL EXPERIENCE

Fingerprint (fingerprint.com) / Remote / 2023 - Present

VP, Web Engineering / 2025-Present

- Led the Web Development, DevOps and QA Teams; owned strategy, optimized development workflows, and drove innovation in scalable web technologies for enterprise clients in the pharmaceutical sector.
- Created and owned company-wide web development standards and best practices, improving quality and consistency across engineering projects, leading to a consistent reduction in QA tickets and bugs, and improvement in code quality.
- Served as a critical technical and strategic consultant, enhancing collaboration between developers, digital producers, project managers and client teams.
- Architected diverse product and web solutions tailored to specific client business needs and technical constraints.

Director of Web Development / 2023-2025

- Led a team of web developers in building complex, performant, accessible web applications and websites for the pharmaceutical industry.
- Architected scalable and efficient technical solutions, including an Astro and Vue based website boilerplate, reducing project development time and costs by 25-50%.
- Mentored and upskilled engineers, instituted code reviews, technical and operational team goals, weekly 1-on-1 and team meetings, improving capabilities, team unity, and overall productivity, satisfaction, long-term retention and improved code quality.
- Built and managed projects built in Vue/Nuxt, React/Next.js, Angular, .NET, Gatsby, WordPress, Drupal, Veeva and other web frameworks, offering valuable services in being a trusted one-stop development shop.

Seeking a challenge to drive large-scale digital transformation, optimize engineering teams, and lead innovative product development initiatives that align technology with business success.

Traina (wearetraina.com) / San Diego, CA / 2020-2023

Director of Web Development

- Directed a team of web developers to deliver award-winning, complex, high-quality, rich-media websites using modern tech stacks, including WordPress, Astro, Nuxt, and React.
- Architected and led digital strategy efforts for clients; advised clients directly on adopting technologies to fit their business goals and budgetary needs.
- Consistently met rigorous timelines and partnered successfully with designers and account managers to prioritize and manage features, timelines and project budgets.
- Key strategic decision maker on the company's leadership team, including leading the transition to agile work processes, increasing project productivity and collaboration.

Jack in the Box inc. / San Diego, CA / 2009-2020

Manager, Experience Design / Lead Web Developer / 2012-2020

- Led a five-member design and development team to develop user- and business-driven web-applications from concept to launch.
- Architected and led development and design of a custom in-house training platform with Angular, Contentful and Vue, saving over \$300k per year over an off-the-shelf solution.
- Built and implemented a Real-time Restaurant Auditing tool with Firebase and Angular.
- Used agile processes to launch, iterate on, and deliver applications quickly.
- Reduced six-figure budget by 25% while exceeding team goals and meeting business needs by turning strategic goals into prioritized, actionable project plans.
- Owned the visual training strategy, working in tandem with training specialists to reinvent digital field training to increase time to proficiency and learning quality and retention.

Interactive Developer / 2009-2012

- Developed interactive, touchscreen-based, flash and web training modules and assessment apps and tools to support the needs of restaurant operations and HR.

UCSD Extension / 2013-2019

The Art Institute of California / 2009-2013

Adjunct Professor

Intercasting Corp / San Diego, CA / 2006 - 2009

Web & Flash Developer

i-Safe America, inc. / San Diego, CA / 2005

Data Administrator & Interactive Developer

Napster / San Diego, CA / 2004

Software Engineering Intern

PROJECTS

mfm.rock
fingerprint.com
wearetraina.com
calicolabs.com
decker.com
discoveries2021.ucsd.edu
terlivaz.com
factsonhand.com
makethehrscount.com
brixadi.com
inomax.com
xpoviopro.com