Andrew Magill

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SUMMARY

Engineering Manager and Lead Developer with a proven track record of scaling secure, compliant enterprise platforms across Healthcare, Pharmaceutical, and E-commerce sectors. Combines technical architecture expertise with a customer-first approach to complex integrations, including Stripe, HubSpot CRM, databases, pharmacy management systems, and API-driven applications. Experienced in translating technical solutions into clear business value through client collaboration, technical proposals that helped secure multiple six-figure contracts.

KEY SKILLS

- **Core Competencies**: Engineering Team Management, Full Stack Web Development, Software Engineering, Agile/Scrum Methodology, eCommerce Integration, API Design, User Experience (UX) Design, Data Modeling, Microservices Architecture, Performance Optimization, Knowledge Management, Workflow Automation, Technical Consulting, Prototyping, Software Integrations, Prompt Engineering, Generative AI, Product Demonstrations
- **AI & Agentic Tooling:** Claude, GitHub Copilot, OpenClaw, LLM Routing & Evals, OpenRouter, Groq, ElevenLabs
- **Languages & Frameworks:** TypeScript, JavaScript (ES6+), Node.js, React, Next.js, C#, .NET, PHP
- **Frontend & CMS:** Tailwind CSS, Sass, WordPress, Drupal, Headless CMS, Accessibility (WCAG), SEO & AEO, i18n
- **Cloud & Infrastructure:** AWS, Azure, Vercel, Cloudflare, Docker, CI/CD, GitHub Actions, Infrastructure as Code
- **Data APIs & Integration:** REST, GraphQL, Microservices, PostgreSQL, MySQL, Supabase Auth & RLS, Webhooks, CRM Integration, EHR Integration, Stripe, WebRTC / Real-time Sync
- **Compliance & Observability:** HIPAA, FDA-Regulated Marketing, Healthcare IT, Security (OWASP), Sentry, Vitest

EXPERIENCE

Self-Employed / Freelance
Independent Solutions & Full-Stack Engineer Remote · **July 2025 - Present**

- Architected and deployed full-stack prototypes and production web applications using **TypeScript, React, Next.js, and Postgres/Supabase**, implementing authentication, row-level security, automated test suites (Vitest, Jest), and observability (Sentry).
- Designed a multi-provider LLM evaluation and routing layer across OpenRouter, Groq, and Cerebras to benchmark latency, token usage, and cost trade-offs under concurrent workloads.
- Built real-time collaborative state synchronization (CRDTs) and offline-capable web architectures, translating ambiguous product requirements into working, resilient systems.

Metabolic Supply Group
Head of Engineering Jersey City, New Jersey · **Mar 2026 - July 2026**

- Led the end-to-end implementation of a proprietary B2B clinic purchasing portal, developing the platform architecture and overseeing critical integrations between Stripe, HubSpot CRM, relational databases, and pharmacy management systems to streamline high-volume bulk ordering.
- Architected and optimized complex workflows using advanced data analysis, compliance tracking, and automated verification protocols, reducing platform errors and improving outcome consistency.
- Appointed to an industry Healthcare Customer Advisory Board, collaborating directly with product leadership to influence the next generation of enterprise healthcare platforms.
- Designed and delivered comprehensive internal training programs, onboarding cross-functional Sales, Operations, and Support teams on platform architecture, data integrity, and user compliance workflows.
- Streamlined B2B client onboarding pipelines for healthcare providers and partner clinics, reducing time to activation while ensuring adherence to healthcare verification standards.
- Partnered closely with executive leadership and legal counsel to align platform capabilities with corporate growth initiatives, and evolving regulatory compliance frameworks within the healthcare sector.

Valhalla MSO
Senior Developer New York City · **Dec 2024 - May 2025**

- Led the architecture and development of a suite of healthcare platforms (ImpetusOne, ImpetusAI, ImpetusRX) using Next.js and Node.js, enhancing TypeScript/React interfaces for patients, pharmacies, and providers.
- Managed the end-to-end software development lifecycle as Lead Developer for multiple high-impact projects simultaneously, including Valhalla Vitality and Ironsail Pharma, ensuring stringent quality standards and consistent, high-quality service delivery for patients and partners.
- Established best-practice integration policies and implemented event-driven workflows using Apache Kafka, alongside DevOps CI/CD automations to ensure developer accountability and code quality.
- Utilized TypeScript and Node.js to build secure, API-driven applications backed by PostgreSQL, improving healthcare interaction workflows.

- Automated phases of the prescription and fulfillment process within ImpetusRX, reducing manual processing time and improving consistency, leading to lower provider costs and faster access to care for patients.

Prehealth
Lead Developer New Jersey / Remote · **Jul 2024 - Dec 2024**
- Established a production process for email coding, improving deliverability through SendGrid, and implementing marketing automation via HubSpot
- Spearheaded the implementation of a cutting-edge email marketing automation platform using Salesforce Marketing Cloud, resulting in a 39% increase in customer engagement and a 25% boost in lead generation
- Led a team of developers producing responsive, user-friendly email templates and landing pages, ensuring seamless cross-device compatibility and reducing bounce rates by at least 19%
- Led initiatives to ensure GDPR and CCPA compliance in online marketing practices using OneTrust and GTM consent management solutions, optimizing data flows and storage within AWS, Azure, GCP, and other cloud services.
- Created and maintained comprehensive documentation for all marketing automation processes, using Confluence and GitHub, simplifying onboarding of new team members and stakeholders

Greater Than One
Senior Web Developer New York City · **Apr 2020 - Dec 2023**
- Served as lead developer for multiple high-profile pharmaceutical product launches, such as Oxlumo and Trudhesa, for all phases of the development lifecycle, technical planning, architecture design, implementation, and testing.
- Contributed significantly to pitching and proposal writing, developing comprehensive technical plans and detailed deliverables that helped secure multiple six-figure new business contracts.
- Implemented robust security measures, such as SOC2 and PCI DSS, ensuring HIPAA compliance with end-to-end encryption, access controls, and regular security audits, safeguarding sensitive patient data across platforms
- Pioneered the adoption of agile methodologies, automated testing, and CI/CD pipelines using, such as Github Actions or BitBucket Pipelines, reducing deployment errors and release timelines
- Developed and maintained comprehensive process documentation and integration guides, providing seamless transition when onboarding new developers

Ascender Studios
Full Stack Developer New Jersey / Remote **Sep 2017 - Nov 2019**
- Engineered scalable front-end and back-end solutions, resulting in a 40% reduction in maintenance effort and 25% improvement in application performance
- Integrated complex design layouts and rendering systems, significantly enhancing user experience and cross-device consistency.
- Collaborated with clients to identify and implement web strategies, contributing to a 30% increase in user engagement and a 20% improvement in customer retention rates.
- Implemented automated testing and continuous integration/continuous deployment (CI/CD) pipelines using Jest and GitHub, reducing bug incidents by 35% and accelerating release cycles

Self-Employed / Freelance
Independent Technology & Web Consultant, remote · **Feb 2017 - Sep 2017**
- **Enterprise Pharma Compliance (Intercept Pharmaceuticals):** Migrated compliance operations to a new SaaS platform and audited research and marketing expense data to ensure regulatory compliance across pharmaceutical trials.
- **Custom Web & Client Solutions (Unhinged Web Studio):** Consulted with startups and SMBs to design, build, and launch custom web applications and brand identities, improving client digital performance and market outreach.

L'Occitane
Front-End, Social, Mobile Developer New York City · **May 2011 - Feb 2017**
- Supported global online marketing and e-commerce operation with frontend development, Ul implementation skills, and coordinated efforts for a global expansion to over 80 international markets
- Extended the CMS and ecommerce capabilities of the custom in-house ASP.NET Core C# platform, enhancing marketing operations, analytics and customer reporting capabilities, and new design and layout implementations.
- Deployed brand-wide Ul redesign projects, enhancing onsite customer experiences, user engagement, and retention, with deployments managed across AWS cloud services.

International Webmaster New York City · **Jun 2007 - May 2011**
- Expanded global eCommerce operations, significantly increasing market reach and sales volume through new content integration, and feature development.
- Implemented marketing campaigns and content pages, driving higher engagement and conversion rates, including custom scripting with JavaScript.
- Maintained product data and taxonomy for multiple brands, ensuring accurate online catalogs and optimizing data structures for ASP.NET Core C# driven platforms.

EDUCATION

Rochester Institute of Technology attended **Sep 1996 - Jun 2001**
Information Technology

- **Coursework:** Computer Science, Software Engineering, Website Design, Database Modeling, Interface Design, Data Communications, Programming for Digital Media, Human Factors
- *degree not completed*