

Tim Van Cauwenberge

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Solutions Architect | Technical Strategist | Full-Stack Builder

SUMMARY

Solutions Architect with 3+ years of full-stack development and technical leadership experience across web, desktop, and cloud platforms. Known for translating business needs into scalable architecture, optimizing performance, and automating workflows that save time and boost visibility. Proven success working across teams to design tailored solutions that deliver real results.

EXPERIENCE

ROI NJ

Jan. 2022 - Present

Solutions Engineer / Full-Stack Developer

Remote

- Built Tauri + React reporting tool with Mailchimp API & LLMs, cutting report time by 95%
- Scaled editorial tools in WordPress/PHP, boosting pageviews by 84% and shareability site-wide
- Launched AI-powered SEO features, increasing discoverability and driving 42% YoY traffic growth
- Developed Hire NJ job board for 10K+ users; scoped and built MVP, launching later this year.
- Integrated across product, eng, and ops to support 1M+ users with stable platform systems
- Automated Python-based editorial imports, reducing manual workload by 40%

ARTALYZE

Nov. 2024 - Present

Founder / Solutions Architect & Full-Stack Engineer

- Built and scaled AI vs. Human game to 600+ users with mobile-first UI and backend stat tracking
- Deployed OTP auth with AWS SES for secure cross-device login and increased retention
- Engineered progression, scoring, and daily challenge systems via MongoDB pipelines
- Designed internal dashboard for uploads, metadata tagging, and game rotation
- Integrated Cloudinary, Vercel, and CI/CD workflows to reduce deploy time by 60%
- Worked closely with design and QA to prioritize features based on engagement data and user feedback
- Iterated weekly using user data, feedback loops, and structured QA to improve UX

EDUCATION

MONMOUTH UNIVERSITY - B.S. in Computer Science, Minor: Physics

May 2020

Kappa Sigma Cofounder, NCAA D1 Track & Field - 3x Team Captain (Hurdles/Jumps)

SKILLS

Architecture & Systems: API Integration | Scalable Apps | Auth Systems | CI/CD | System Design

Backend & DevOps: Node.js | Express | MongoDB | SQL | REST APIs | AWS (SES, S3, Lambda) | Docker

Frontend & UI: React | TypeScript | Tailwind | HTML/CSS | Responsive Design | UI Optimization

Automation & Tools: Python Scripts | Workflow Automation | Metadata Pipelines | Tauri | Admin Dashboards

Analytics & Monitoring: Google Analytics | Power BI | MongoDB Aggregation | Postman | Debugging

Collaboration & Delivery: Jira | Figma | GitHub | Microsoft 365 | Agile | Stakeholder Communication