

# Agile Web Development for Manufacturing Helps Silicon Valley Startup Secure Series B Funding

NEW YORK, NY, UNITED STATES, March 31, 2026 /EINPresswire.com/ -- A Silicon Valley startup scaled globally by adopting an agile [web development for manufacturing](#) model. Assisted by the offshore team at eLuminous, the startup built a platform to manage complex inventory and distributed manufacturing. The initiative enabled phase-wise platform rollouts, seamless collaboration across teams, and helped the company secure progress-based Series B funding within 24 months.



Agile Web Development eLuminous Technologies

The startup operates in the smart fitness wearable space. This company manufactures and sells smart sports shoes to fitness enthusiasts through its online platform. It has multiple factories producing different components and warehouses spread across global locations. Hence, inventory accuracy and operational coordination are critical to business success.

As the company scaled, its technology management became increasingly complex. Inventory data needed to flow seamlessly across production lines, vendors, mobile applications, admin dashboards, and the web platform. The client required a loosely coupled, scalable backend architecture along with a dedicated agile development team. The management wanted [tech experts](#) who could work closely with the CTO and internal leadership while understanding their business priorities.

To address these challenges, an extended team was formed, comprising a Scrum Manager, full-stack developers, and QA engineers. The offshore team adopted a phased agile rollout strategy that aligned software releases with ongoing device manufacturing. This planning ensured technology development progressed hand in hand with physical production. The developers built a robust API with an all-inclusive business logic. Notably, they can scale the platform using AWS and feed data to the UI layer for web and mobile applications. Additionally, the Admin API is hosted on a separate, access-restricted server, adding an extra security layer for administrative

functions. This manufacturing website development project ensured zero disruptions in the production line.

The solution emphasized iterative delivery, rapid feedback loops, and close collaboration between onsite and distributed teams. Jira and Confluence were used to enable transparent planning and documentation. These platforms were crucial to establishing parallel execution across geographies. After detailed meetings with the company's CTO, the offshore project manager decided to include web APIs and AWS-based infrastructure. This setup supported scalability, integration, and long-term maintainability of the platform.

The agile implementation delivered measurable business impact. Phase-wise go-live enabled controlled releases without disrupting manufacturing workflows. Improved coordination across factories, warehouses, and digital systems resulted in smoother inventory operations and more reliable order fulfillment. The structured agile delivery model also played a key role in strengthening operational confidence, helping the startup secure progress-based Series B funding within two years.

According to a spokesperson from the company,

"With my experience in the IT industry, I can say that I have the best team at very reasonable rates."

By aligning agile execution with real-world manufacturing timelines and global logistics, the startup established a scalable base for growth. Importantly, it maintained speed, flexibility, and operational clarity.

Organizations of different scales facing similar challenges in global inventory management, distributed teams, and rapid product scaling can bank on agile-driven development models. Partnering with a team that handles manufacturing website development for companies can help achieve faster execution and sustainable growth.

For more information on this agile implementation turnaround, you can get in touch with trusted [software development partner](#).

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