

## Beyond Security: A Builder's Track Record

I don't just research technology — I build it. Across robotics, IoT, and renewable energy, I've independently conceived, engineered, and launched ventures that were simply ahead of their market.

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### **RoboMall** — *Telepresence Retail, Invented Independently*

A concept I originated from scratch: deploying physical robotic platforms inside shopping malls, letting anyone remotely walk the floor, browse stores, and shop in real time — no physical presence required. The system was fully engineered using **WebRTC** for ultra-low-latency video and control, with a custom **VPN infrastructure** routing commands through my own server stack.

The idea was rejected by mall management — not on technical grounds, but because I was an individual, not a corporation. The vision was real. The market just wasn't ready.

-  <https://bluedragonsec.com/var/robotic/robomall.png>
  -  <https://bluedragonsec.com/var/robotic/robomall2.png>
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### **Robotsoft** — *IoT Hardware Startup*

Founded and operated an IoT product company, designing and manufacturing internet-connected hardware controllable via **web interface, Android app, and voice commands** — years before the smart home category matured in Southeast Asia. Every product was built in-house, from firmware to physical assembly.

-  <https://www.youtube.com/robotsoft>
  -  <https://bluedragonsec.com/var/robotic/robotsoft-iot-products.pdf>
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### **Freenergi** — *Renewable Energy Startup*

Built a renewable energy company from the ground up, delivering **solar panel installation services** and engineering **custom electric generator products** for the Indonesian market. Hands-on from circuit design to field deployment.

-  <https://www.youtube.com/freenergi>
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### **What's Next: AI × Robotics × Security**

I'll keep the details close for now — but I'll say this:

I've developed a **multi-disciplinary predictive framework** for where offensive security is heading, built at the intersection of **AI, robotics, and cyber warfare**. Most researchers work in one domain. I operate across all three — and I can see convergences that the industry hasn't publicly named yet.

The next generation of threats won't come from keyboards alone. I intend to be among the first to define, document, and defend against them.

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*Ideas that seem too early are often just too far ahead.*