

Mr. Alexander Rasekhi

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Objective: To leverage expertise in designing and engineering low voltage electronic security systems to ensure optimal functionality and safety in commercial and residential settings.

Professional Experience:

(December 2023 - Present) Aesys S.p.A - Operational Manager, North American Division

Responsibilities at Aesys:

- Oversight of production, inventory, and shipping operations within the North American division.
- Efficient processing of sales orders for shipment, ensuring timely delivery to clients.
- Conducting Root Cause Analysis (RCA) for service items exceeding technician capabilities; implementing effective solutions for repair and improvement.
- Streamlining operating procedures through automation, reducing man-hours and enhancing departmental coherence.
- Designing and implementing systems to optimize quality control and procurement processes.
- Collaborating closely with the Chief of Operations, serving as a right-hand resource for strategic decision-making and operational management.

(November 2020 - November 2023) EarthCam Inc. - Product Design & Development Lead Engineer

Responsibilities & Projects at EarthCam:

Conceptualized and developed off-the-shelf and customized products for security, photographic documentation, and cinematography applications, involving documentation of design concepts, creation of mechanical, electrical, and assembly diagrams, vendor collaboration, prototype building, and coordination with research and software teams to ensure feature-rich product production in a manufacturing environment.

- Spearheaded the design and construction of a groundbreaking 5G-connected web-based camera, currently operational atop the Washington Monument, garnering significant media attention from FOX and CNN news networks during the 2022 Fourth of July fireworks display and ongoing coverage.
 - Featured in a video showcasing the design and assembly process: <http://bit.ly/3Xu7qww>
 - Access the live stream of the camera: <http://bit.ly/3iGPMXD>
 - Selected to represent the team in a publication by AutoDesk <https://bit.ly/442pLF9>
- Served as Senior Field Engineer, facilitating international expansion efforts in Taiwan, overseeing contract execution, and managing diverse scopes of work.
- Led a team of engineers to design products through fruition, ensuring adherence to project timelines and objectives.
- Engineered an electronic backup power supply system to maintain critical component functionality during power outages.
- Proficient in modern manufacturing technologies and materials, with hands-on expertise in CNC machining, laser cutting and engraving, FDM and SLA 3D printing, as well as resin, plastic, rubber, and metal casting, and PCB fabrication and electronic assembly.
- Optimized production workflow by leveraging CAD and 3D printing for jigs, assemblies, and prototypes, implementing component-level enhancements to bolster production efficiency and reduce costs.
- Accountable for the design, production, and testing of components for manufacturing.

(December 2017 - October 2020) Virtual Shield Systems LLC.

Responsibilities at Virtual Shield Systems:

During my 4-year tenure as the founder and manager of Virtual Shield Systems LLC, an Electronic Security & IT Infrastructure company based in New Jersey, I oversaw operations spanning NJ, NYS, NYC, & PA.

- Orchestrated the design and implementation of diverse systems, encompassing Analog & IP-Based CCTV Camera Systems, Networking Systems, Automation Systems, Server Racks, Audio & Video Systems, Access Control Systems, Fire Alarm Systems, and Burglar Alarm Systems. All systems were meticulously crafted in-house, accompanied by professional CAD drawings, voltage drop calculations, and precise price estimation.
- Executed system software and networking configurations, including Port Forwarding, DDNS, DHCP, Multi-Cast, Multi-Router Systems, and Linux Server Deployment.
- Conducted advanced troubleshooting of electronic hardware and software, ensuring seamless operation of all systems.
- Corporate Licensing Qualifier for Electronic Security including Burglar Alarms, Fire Alarms, CCTV & Access control systems.
- Led web development, marketing, graphic design, and maintenance efforts for VirtualShieldSystems.com, enhancing online presence and customer engagement.

(Jan 2017 - October 2017) Gamers Paradise Inc.

1 Year; Repairs Manager & Retail Sales at Gamers Paradise in NJ

- Completed hundreds of game consoles & controllers repairs with a focus on SMT level soldering and component diagnoses

(March 2016 – February 2017) Radio Shack Inc.

1 Year, Retail & Customer Service Associate

- Built People Skills & Learned How to Converse Technically with Laymen

References: Available upon request.