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October 03, 2025

Dear Sir or Madam,

It is my pleasure to recommend Eric Lane in his role as Senior IT/Controls Engineer. He has worked for me in that capacity for 2.5 years displaying an exceptional level of skill and knowledge.

I hired Eric to take over programming our equipment automation systems. This required proficiency in Allen Bradley PLC ladder logic programs, Allen Bradley, Ignition, and Automation Direct Human Machine Interface systems, and embedded Arduino microprocessor control systems. Eric has excelled in all these areas of responsibility.

He has also shown a lot of ability in electronic troubleshooting, repair, and design. He has suggested and designed several custom printed circuit boards to expand the functionality of the Allen Bradley PLC system. One example is a current integration circuit that measured a mechanical level sense current to determine material level in an extreme environment, and send that information to the PLC. A critical requirement to control our process.

I also had the benefit of Eric's IT expertise. I have never met anyone with his breadth and depth of knowledge of computer operating systems, network security systems, cellular networks, VPN's, cellular radios, high grade secure firewalls and hardware.

Our company had been hacked without our knowledge. Eric detected the hack, secured our network with a Cisco firewall at a level of encryption that even NSA can't defeat. He cleaned the hack from our systems and set up a secure VPN to our remote site over a high-speed cellular network using a pole mounted cellular radio. We have video coverage of the site and monitor the remote equipment in real time.

Our company was paying 1500/month for cloud services. Eric specified, acquired, and set up a local server and ported all company files and CAD database from the cloud to the local server, saving the company the monthly fee. He set up virtual machines on the server to handle the interface to our local gasifiers and gensets.

Eric has been an incredible asset to Vgrid. His professionalism has made working with him a pleasure. We are losing Eric due to the company closing operations.

I am available by phone or email if you would like to discuss his qualifications.

Best regards,

A handwritten signature in black ink that reads 'Richard Becker'.

Richard Becker
Director of Engineering
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