PHILLIP W. SCARGILL

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ABOUT

Experienced Control Systems Engineer with 7+ years of hands-on expertise designing, programming, and commissioning automation systems across manufacturing, industrial, and energy sectors. Proven track record in delivering end-to-end control solutions using PLCs, HMI/SCADA interfaces, and industry-standard tools such as RsLogix, Simatic S7, and TIA Portal. Skilled in integrating complex systems, troubleshooting in high-pressure environments, and collaborating across cross-functional engineering teams.

Complementary experience in systems administration, scripting, and full-stack development, demonstrating an engineering mindset applied across digital infrastructure, automation, and process optimization.underscores a highly adaptable, tech-forward mindset. Recently relocated to the U.S. with valid work authorization (EAD), bringing global engineering experience and a strong commitment to innovative, safety-conscious automation. Currently pursuing new Control Systems Engineering opportunities, leveraging my multidisciplinary experience to bring fresh thinking to automation and industrial integration challenges.

TECHNICAL SKILLS

Control Systems Programming: Connected Components Workbench; RsLinx, RsLogix 5/500/5000; Simatic S7; TIA Portal

HMI/SCADA Design: Connected Components Workbench; GE iFix; Rockwell FactoryTalk ME/SE; Simatic WinCC; TIA Portal

Applications: Adwords; Dropbox; G-suite; Evernote; Office 365; Mailchimp; Monday.com; PayPal; Shopify; Skype; Slack; Squarespace; Stripe; SurveyMonkey

Design: Adobe Illustrator, Photoshop; AutoCAD; Autodesk Fusion; Blender; GIMP; Inkscape; Shapr3D

Operating Systems: Android; Arch & Arch-Based Distros; Debian & Debian-Based Distros; DOS and FreeDOS; Fedora & Fedora-Based Distros; Gentoo; Mac OSX; Red Hat Enterprise Linux & CentOS; SUSE & openSUSE; Ubuntu; Windows 3.0-11

Scripting: Bash; Batch; Powershell; VB Scripting

Software Development: C#; Git/Version Control Software; MSSQL; MYSQL; Node.js/JavaScript; Python

SysAdmin Tools & Skills: Active Directory; Chocolatey; Clonezilla; Digital Ocean; Docker; FTP/SFTP/SCP Tools ie. Filezilla WinSCP; GPU hardware; Network Security Hardening; Penetration Testing; Portainer; Protocols - DNS, DHCP, TCP/IP, HTTP; Procurement & Provisioning of devices; Servers & Switches maintenance; Setup of VPNs; SSH Clients ie. puTTY; GNU/Linux & *nix terminal; Virtualization Software ie. Virtualbox, VMware Player, QEMU; Wireshark

Web Development: Bootstrap; CSS; HTML; JQuery; Javascript;

EMPLOYMENT EXPERIENCE

Technical Support Engineer | *Hyve Managed Hosting*

2023

- Performed maintenance and carried out upgrades on Windows/Linux cloud servers.
- Designed and implemented proprietary analytics software to track statistics across hundreds of servers and virtual machines.
- Worked with clients to fault find and fix issues in a prompt and professional manner.
- Deployed physical and virtual machines for new and existing clientele.

Control Systems Engineer | *Néos Superform* (formerly: *Luxfer Superform*)

2016 – 2021

- Designed and commissioned control systems for industrial and manufacturing machinery, using knowledge of control theory, instrumentation, and programming languages such as ladder logic and structured text, to ensure accurate, safe, and efficient operations.
- Modified existing systems to improve safety and efficiency, utilizing skills in troubleshooting, root cause analysis, and system optimization.
- Assisted in various stages of the software development lifecycle, from requirements capture to architecture design and application software development, ensuring that customer needs were met and best practices were followed.
- Liaised with customers to capture requirements, provided systems-level support and training, and built strong relationships with key stakeholders.
- Collaborated effectively with other business units, including Software, Mechanical, and Electronics, to integrate control systems into larger systems and products.

Control Systems Engineer | *Cepha Controls*   *2012 – 2014*

- Designed, developed, commissioned, and project managed control systems for various industries, including manufacturing, oil and gas, and renewable energy.
- Demonstrated proficiency in various programming languages, including ladder logic, structured text, and function block diagram, as well as proficiency in troubleshooting, testing, and system optimization.
- Led cross-functional teams to deliver projects on-time and within budget, maintaining strong communication with stakeholders and managing project risks.

- Traveled extensively on assignments throughout the UK and abroad, including the United Arab Emirates, to deliver successful projects in diverse environments and cultures.
- Maintained a strong commitment to continuous learning, keeping up-to-date with the latest technologies and industry trends, and applying this knowledge to enhance project outcomes.
- Understand ICT fundamentals and best practices within a business environment.

ADDITIONAL EXPERIENCE

eCommerce Marketer | *Freelance*   *2023 – Present*

- Built and scaled multiple niche eCommerce brands on platforms such as Etsy and Shopify, applying engineering principles to optimize end-to-end business operations including website development, content delivery, and supply chain logistics.
- Leveraged data analytics and A/B testing to inform content strategy across Instagram and other digital channels, driving targeted traffic and improving conversion rates through iterative design improvements.
- Automated inventory management and shipping workflows using custom scripts and third-party logistics integrations, ensuring seamless order fulfillment and scalability.

Web Developer | *Freelance*   *2021 – 2025*

- Successfully collaborated with multiple cryptocurrency projects, creating fully-functional websites within aggressive timelines while maintaining high quality standards.
- Integrated websites with 3rd party API services.
- Demonstrated a strong ability to understand clients' needs and develop effective web and social branding strategies. Produced unique design packages for businesses that accurately reflected their brand identity and goals.

EDUCATION

Open University | BSc (Honors) in Computer and IT (In Progress)   *2017 - Present*

CompTIA IT Fundamentals (ITF+)   *Completed 2025*

MAKE UK | **Introduction to Robotics Course**
Completed 2018

Blessed Edward Oldcorne Catholic College   *Graduated 2010*