NEIL JOSE PILLARD

SPECIALIZED ELECTRICAL AND ELECTRONICS ENGINEER

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SUMMARY

Results-driven Electrical and Electronics Engineer and certified industrial automation specialist, currently working as Technical Operations Lead. Experienced in managing cross-functional technical teams and overseeing end-to-end digital product development, including mobile apps and web platforms. Skilled in PLC programming, SCADA/HMI systems, electrical design, and microcontroller-based projects.

PROFESSIONAL EXPERIENCE

Technical Operations Lead, ClassMate Lusail, Qatar **August 2025 - Present**

- Lead business and operational strategy, managing client partnerships across multiple industries.
- Spearhead contract negotiations, commission models, and exclusivity agreements, ensuring long-term vendor growth while driving revenue for the platform.
- Deliver ROI-focused reporting and analytics to guide partner growth and internal decision-making.

Technical Project Manager, ClassMate Lusail, Qatar **July 2025 - August 2025**

- Directed cross-functional teams to deliver mobile, web, and backend projects on time and within scope, ensuring alignment between technical execution and business goals.
- Implemented process improvements and system integrations that optimized workflows, reduced inefficiencies, and enhanced overall project delivery.
- Acted as the central liaison between leadership and technical teams, translating requirements into actionable plans and driving continuous innovation.

Internship, Petrotec Doha, Qatar **August 2023 - Sept 2023**

- Assisted in preparing technical documentation, drawings, and reports for switchgear and LV panel projects.
- Supported engineers in reviewing electrical designs, schematics, and panel layouts, ensuring accuracy and compliance with standards.
- Gained exposure to tendering, quotations, and project coordination processes for electrical distribution and automation systems.

PROJECTS

Precision Tech – Closed-Loop Stepper Motor System **Jan 2025 - March 2025**

- Pioneered a specialized closed-loop stepper motor system for precision applications; received funding and multiple awards for innovation and real-world impact.

Custom Stepper Motor Driver **Aug 2024 - Jan 2025**

- Built a versatile motor driver in KiCad, adaptable to multiple stepper motors, with integrated surge protection and advanced driver features for reliable automation performance.

Prototype 3-DOF Robotic Arm **Nov 2024 - Dec 2024**

- Designed and developed a 3-DOF robotic arm integrating servo control and microcontrollers, demonstrating advanced motion precision and scalable automation potential.

SKILLS

PLC Programming	SCADA/HMI	Project Management
Automation	Microsoft 365 Suite	Process Optimization

EDUCATION

Bachelor's in Electrical and Electronics Engineering (First Class) **Nov 2021 - May 2025**

Rajagiri School of Engineering and Technology

- Minor's Degree in Robotics and Automation
- Graduated with First Class in Electrical and Electronics Engineering
- Capstone Project: Led the development of a specialized closed-loop automation system, awarded funding and multiple innovation awards for its real-world industrial impact.
- Served as Chairman, organizing technical, cultural, and professional development events that engaged hundreds of students.

VOLUNTEERING

IEEE – Yearly Engineering Students Summit

- Organized technical workshops, seminars, and networking events, enhancing peer learning and professional development for engineering students.

Make A Difference (M.A.D) – NGO

- Volunteered in initiatives to empower underprivileged children through education, mentorship, and creative engagement programs, fostering community growth and inclusion.

CERTIFICATIONS

PLC Automation (HMI, SCADA, VFD)

Arabian Infotech Training, Doha, Qatar (Jun–Aug 2025, 2-month program)

Advanced Robotics Applications

NPTEL, IIT Kanpur (Feb–Apr 2025, 8-week course)

Industrial Robotics: Theories for Implementation

NPTEL, IIT Kharagpur (Jul–Oct 2024, 12-week course)

AWARDS & ACHIEVEMENTS

1st Prize – SAMAGRA 2.0 Project Expo (Mar 2025)

Awarded at Adi Shankara Institute of Engineering and Technology for innovative automation project representing Rajagiri School of Engineering & Technology.

3rd Prize – ASME (American Society of Mechanical Engineers) Project Expo (Mar 2025)

Recognized by ASME Kerala Section for outstanding engineering design and project execution. Honored for demonstrating innovation, teamwork, and problem-solving skills in a competitive technical showcase.

Innovation Funding – Rohas Ventures (2025)

Secured funding from Rohas Ventures to transform a closed-loop stepper motor system into a market-ready product. Recognized for innovation, precision engineering, and real-world application potential.