

CURRICULUM VITAE

Contact Information

- **Gabor Kun**
- **Electronics Hardware Specialist**
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- **Languages:** English, Hungarian

Professional Summary:

Electronics hardware specialist with over a decade of experience in designing, repairing, calibrating, and maintaining high-value electronic and electromechanical equipment. Skilled in providing technical support and training, solving complex problems, and developing innovative solutions to improve the performance of products and test equipment.

Experienced in developing circuits, troubleshooting, designing, and testing electronic systems. Particularly focused on optimizing designs and procedures for manufacturability, repairability, and stability, with a strong emphasis on the collection and analysis of available data. Frequently ensured seamless integration between hardware, software, and mechanical design teams.

Experienced in creating work instructions and knowledge bases, documenting product faults and development notes, ensuring knowledge transfer, and facilitating interactive learning. Whenever possible, open-source software is utilized for content creation, organization, and dissemination. In addition to IT and computing skills, proficiency in Python and C programming is demonstrated, with a focus on developing embedded software and data analysis capabilities in conjunction with hardware expertise.

Leadership skills developed through supervisory roles and entrepreneurial activities. Currently overseeing the work of a Production Support Technician, managing test equipment maintenance and calibration tasks, providing technical support for production, research team, and third-party engineers.

Committed to continuous improvement, excellent service delivery, and fostering collaboration between hardware, software, and mechanical design teams for efficient project execution.

Skills:

<ul style="list-style-type: none">• Test and Test-Hardware Engineering<ul style="list-style-type: none">• Test Design and Implementation• Test equipment integration into Automated Test Systems• Data Collection and Analysis• Compliance to Standards• Multidisciplinary Integration and Technical Support<ul style="list-style-type: none">• Cross-Disciplinary Knowledge and Communication• Collaboration and Teamwork• Process Integration and Problem-Solving• Field Service, Remote Troubleshooting, and Training activities• Circuit Design<ul style="list-style-type: none">• Schematics, PCB Layout, and Simulations• Analog, Digital and Mixed-Signal Electronics• Electromechanical Systems• Interpersonal Skills and Team Collaboration	<ul style="list-style-type: none">• Laboratory / Workshop skills<ul style="list-style-type: none">• Manual, Automated Soldering according to IPC, military, aerospace, maritime, and medical standards. (Leaded and LeadFree technologies)• Experienced in working with Radio Frequency (RF) and Power Electronics• Pneumatics and Hydraulics• Experimental Design / Prototyping• Instrument Calibration and Maintenance• Troubleshooting and Repairs• Technical Documentation• Quality Control• Environmental Awareness and Safety Procedures• IT, computer skills<ul style="list-style-type: none">• Computer-Literate• Linux and Windows Computers• Engineering Softwares• Programming Languages (Python, C/C++)
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Favourite Software Tools

Circuit Design:

- [KiCad](#)
- [Sprint Layout](#)

Circuit simulation:

- [LTSpice](#)
- [Falstad - Circuit Simulator](#)

Radio Frequency (RF):

- [Avago Technologies - AppCAD](#)
- [Signal Hound](#) - Spike Spectrum analyzer, and Vector Signal Generator softwares

Documentation:

- [DokuWiki](#)
- [Jupyter Notebook](#)
- Open/Libre/MS Office

Automatization and Measurement:

- [NI DAQmx / USB-600x](#)
- [Digilent WaveForms SDK / Analog and Digital Discovery](#) devices
- [FTDI Utilities](#) (Simple USB interfacing)
- [MicroPython - Thonny Python IDE / STM32 NUCLEO](#) family and [SEEED XIAO](#) family

Programming:

- MicroPython, [CircuitPython](#)
- [STM32CubeIDE](#)
- [MBED OS](#)
- [JetBrains - PyCharm, CLion](#)
- [SQLite, PostgreSQL, KeyDB](#)(a Redis alternative), [DBeaver](#)
- [Flask, HTML, HTMX](#)

Mechanical Design:

- [FreeCAD](#)
- [Simens - SolidEdge](#)

Work Experience:

2020 - Present: Ocean Signal Limited, Margate, UK

[Ocean Signal](#) is a worldwide leader in the design and manufacture of Satellite and Terrestrial Emergency Rescue Beacons based upon VHF/UHF, Iridium, Digital Selective Calling or DSC, Automatic Identification Systems or AIS, GNSS and battery technologies.

- Research and Development Technician
- Production Support Technician

2018 - 2020: Simtek EMS Ltd, Margate, UK

[Simtek EMS](#) manufactures products destined for a variety of applications including medical, marine, instrumentation, automotive, navigation, audio, leisure and industrial electronics as well as the production of battery power packs for a variety of industries and market sectors.

- Production Support Engineer

2017: Multipanel UK Ltd, Eythorne, UK

[Multipanel UK Ltd.](#), The only Aluminium Composite Panel Manufacturer in the UK

- Maintenance Manager

2015 - 2017: Megger, Dover, UK

[Megger Group Limited](#) is a British manufacturing company that manufactures electronic test equipment and measuring instruments for electrical power applications. Megger is known for its electrical insulation testers

- Repairs Technician

2013 - 2015: CCL Labels, Ashford, UK

[CCL Industries Inc.](#) is an American-Canadian company. It describes itself as the world's largest label maker.

- Flexographic and Maintenance Technician

2013: Vision Power Ltd., Waltham, UK

Vision Power manufactured high-spec power supply circuits for extreme environments like subsea, aerospace, and military.

- Laboratory Technician
- Power supplies

2012: SBE Ltd., Ashford, UK

[SBE UK](#) is a leading provider of aftermarket and reverse logistics services in the UK, and an accredited repair centre for several major brands in the telecoms and electronics industries.

- Lead Electronics Technician, Technical Coordinator

Entrepreneur

2020 - 2023: Elektour Limited

- Self Employed
- Managing Director

BAE Systems Plc.

BAE Systems PLC is a British multinational aerospace, defense, and information security company, produces commercial and defense electronics for flight and engine control, electronic warfare, surveillance, communications, geospatial intelligence, and power and energy management.

SEISMIC STUFF (U.K.) LTD & Black Lab Systems Ltd

Seismic Stuff and Black Lab Systems were dedicated to advancing exploration technology by delivering industry-leading products specializing in seismic systems development. They aimed to innovate and enhance applications in the seismic industry, meeting the evolving needs of their clients.

- Power Supply design
- Schematic and PCB layout
- Debug and repair services

Simtek EMS

- Design and support control panel test jigs for HeartSign defibrillators

JOMI - The World of Sewing Machines

JOMI specializes in industrial sewing machines for sale, repair sewing machines, and service machines all over the south coast of England.

- Debug and repair services
- Designing solution for replacing obsolete components

2007 - 2010: Various Projects/Contract Works

- Alongside other business and academic commitments, participated in the projects listed below
- Lead Technician/Coordinator/Translator
- Technical duties: Manual and Machine Soldering, Fault Cause Analysis, QC Inspection, X-Ray Image Analysis

Flextronics, Zalaegerszeg, HU

Flextronics is an Electronics Manufacturing Services (EMS) provider focused on delivering complete design, engineering and manufacturing services to aerospace and defense, automotive, computing, consumer, industrial, infrastructure, medical, clean tech and mobile OEMs.

- RIM, Blackberry project

Scientific Atlanta, Kortrijk, BE

Scientific Atlanta, Inc. has been a leading manufacturer of set-top cable boxes and other satellite transmission equipment.

- SetTopBox project
- Design of SATA hard drive tester

Solectron, Bordeaux, FR

Solectron Corporation was an American electronics manufacturing company for original equipment manufacturers (OEMs). It was the first electronics manufacturing services (EMS) industry in 1977.

- Nortel Networks Project

Celestica, Kladno, CZ

Celestica Inc. is a Canadian multinational design, manufacturing, hardware platform, and supply chain electronics manufacturing services company

- Xbox360 Project

ELCOTEQ, Pécs, HU

Elcoteq SE was a Finnish consumer electronics contract manufacturer, EMS, and ODM company. It was a manufacturer of BlackBerry phones and also performed repair and refurbishment services.

- RIM, Blackberry project
- Sony Ericsson project

Education

2001-2007: Bláthy Ottó Villamosipari SzKI, Miskolc, HU

- (HV)Electronics Technician (2006-2007)
 - High Voltage, High Power applications
 - Electrical Grids
 - Industrial Automation
- Computer Science and Electronics (2001-2006)

2007: ELCOTEQ, Pécs, HU

- In-depth training on 2G and 3G technologies (3 months theory and practice)
 - GSM, GPRS, EDGE
 - UMTS WCDMA and HSPA
 - Rohde&Schwarz CMU200

2008-2010: University of Miskolc, HU

- Electrical Engineering BSc
- Festo Hydraulics, Pneumatics, and PLCs Fundamental Course

2017: Pitman Training, UK

- Project Management Course

IPC Specialist

IPC is a trade association whose aim is to standardize the assembly and production requirements of electronic equipment and assemblies

- IPC-A-610
- IPC-7711
- IPC-7721
- J_Std_001