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# Pavel Mogilevsky

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## *SUMMARY*

* Nineteen years of experience in design schematics, programming, testing, hands on prototyping demo units of devices and systems built according **MIL Standards and with FDA Compliance**
* Training Quality and Manufacturing personnel
* Ensure Industry Standards for all company Departments
* Supporting Quality Assurance **ISO9001, AS9100, AS9102A,** **IPC-610, NTSS, ISO13485** and other standards
* Developing Manufacturing and Quality processes for parts of **Medical devices** in conformity with FDA Quality System Regulations **21** **CFR 820,** **ISO 13485, ISO14971** and other standards and regulations for manufacturing and quality

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## *SKILLS*

* Define **Manufacturing and** **Quality Strategy** (roadmap) working together with different department managers, who take operational responsibilities within their groups
* Design or develop Manufacturing process –including **Mapping, Operational routing** and involving manufacturing and quality engineering personnel in all stages of creating product
* Engage Manufacturing or Quality team functions and deploy these specialists
* Ensure design and manufacturing quality control in **Aerospace, Medical Devices**
* Generate **Protocols** for **IQ/OQ/PQ** and complete **FAI**
* Execute process assessment on key processes to drive data driven improvements
* Execute process improvement as part of the quality strategy at department level and /or sector level
* Lead Manufacturing or Quality department in collaboration with other sectors
* Provide development **Test Procedures for NPI process**
* Provide **New** **Life Cycle Analysis**,judge risks and plan to avoid critical situations
* Design **Lean products, processes and services** and improve QMS and ERP via Six Sigma methodology
* Manage **ECO, ECR**, **NCMR**, participate in **CCB and MRB**
* Develop **KPI and Metrics** for Manufacturing and Quality control, based on daily using at **KAIZEN**
* Develop **DFX**, and provide **DMAIC and DFSS analysis, control GD&T**
* Develop and plan **DOE**, training for troubleshooting with **Ishikawa, WBS** and other methods
* **Build and improve a “bridge”** between all engineer groups involved in product design, manufacturing, testing and quality assurance, and control
* Implement **KANBAN** on daily base for optimizing financing and supplying of company
* Lead **DFMEA/PFMEA** and providing **RCA**, provide **Gage R&R** analysis on Manufacturing and Quality departments
* Provide **DMAIC** and **CAPA** processes

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## *EXPERIENCE*

***Nationwide Appliance Service Inc.* *Senior Quality Manager***

**July 2018- December 2018**

**(contract)**

* Developing and improving QMS with accent on installation, repair quality and customer’s satisfaction
* Statistical analysis Voice of the Customers by implementing customer’s surveys forms
* Executing process assessment on key processes to drive improvements
* Maintaining and providing regular reporting on processes adherence to company management
* Managing Quality team functions and deploy quality specialists to enable the mission
* Lead department of Quality in collaboration with other sectors
* Training company personnel

[**www.adeccogroup.com**](http://www.adeccogroup.com) ***Senior Manufacturing Design Engineer***

**Oct 2017 – June 2018**

**(contract)**

* Developing and working as a Project Manager of building new Wiring and Cabling area
* Developing mapping and operations routing for wiring, terminating and harnesses assembling and testing
* Designing Test Fixtures, developing ATPs, Instructions for different assembly levels
* Developing Test Harnesses for new product line
* Electrical and mechanical schematic designing and prototyping Demo Unit for LED monitoring temperature
* Sustaining engineering group and revising the existing electrical diagrams
* Implementing new system for harnesses tests and training personnel to use it

[**www.trollsystems.com**](http://www.trollsystems.com) ***Manufacturing Engineer***

**Aug 2016 - April 2017**

**(contract)**

* Design **Test Kits** - **Aerospace Family Products**
* **Carrying out of FAI** for new systems
* Developing **ATP, Instructions** for **QA** tests
* **QMS system** improving, participating in **CCB** company
* Mentoring and controlling QA and Manufacturing personnel all levels
* Providing **Gage R&R** for electro-mechanical and **RF** measurements for PCB and **antennas 20GHz**
* Troubleshooting RMA systems, monitored of quality work and rework orders.

[**www.ixiacom.com**](http://www.ixiacom.com) ***Verification and Validation Engineer***

**Dec 2012 - Aug 2016**

* Performing **V&V processes** for LAN and WLAN systems and modules
* Providing **FMEA and RCA analysis**
* Using **ORACLE and Agile systems for gathering data and analyzing statistics**
* Supported customers with specific attributes of products
* Providing feedback for HW and electrical design engineers
* Analyzing statistics of test results with different failure criteria
* Dramatically – till 30% shorted time for troubleshooting and validation of RF network systems

***Everest Engineering Inc. Electrical Engineer***

**Aug 2011-Aug 2012**

**(contract)**

* Slashing time till 25% for implementing projects changes
* Developing electrical diagrams in AutoCAD
* Developing Single Line diagrams for different projects of Power Substations
* Auditing final project documentation

***AIEP Inc Senior Design Engineer***

**Jan 2010- Jul 2011**

**(contract)**

* Designing electrical schematic for building Video and Audio Security System
* Developing Instruction for using Security System
* Training company personnel for using electrical equipment and automatic heating system
* **Sustaining electrical consulting** and implementing new devices in Security System

[**www.idtvision.com**](http://www.idtvision.com) ***Senior Manufacturing Engineer***

**Oct 2008 – Nov 2009**

**(contract)**

* Managing manufacturing and testing processes of high- speed digital cameras
* Developing and Revising existing ATPs and Instructions for assembly
* Planning Manufacturing WIP
* Resolving on component level a Cooling Video Sensor
* Improving Signal/Noise Ratio and by that Quality of cameras image till 25%
* Implementing new measuring temperature method and so shorted testing time till 40%
* Prototyping new Demo Units and performing qualification tests for new cameras
* Designing LabView program for Cameras Impact test
* Customer consulting and training manufacturing personnel for new product lines

[**www.mmdcomp.com**](http://www.mmdcomp.com) ***Electrical Design Engineer***

**Oct 2007 - Oct 2008**

**(contract)**

* Designing schematic and PCB for crystal oscillators for **medical Devices**
* DFMEA/PFMEA calculations for OCXO oscillators as parts for medical devices
* Overall Residual Risk Evaluation assessment
* Designing **DOE** and developing **NPI process** for **VCXO** and **OCXO** projects
* Achieving **Ultralow Phase Noise** results for 125MHz project as -120dBc at 10Hzoffset
* Training Manufacturing and Quality personnel for tuning and Testing oscillators
* Developing Tests and Gathering results and Processing Statistical Data on HPVEE

[**www.wi2wi.com**](http://www.wi2wi.com)***Oscillator Design Engineer***

**Oct 2006 - Oct 2007**

**(contract)**

* Designing high frequency **crystal oscillators for medical, military purposes**
* Achieving **Ultra Low Jitter** of carrier frequency
* Overall Residual Risk Evaluation assessment
* Developing Test Programs for wide temperature and vibration ranges
* Designing oscillators working on **AT, BT, SC-cuts of crystals on 3rd, 5th, 7th overtones**
* Developing Test Fixtures for tuning oscillators on Manufacturing Floor
* Reducing tuning time till 50%

[**www.time.co.il/English**](http://www.time.co.il/English)***Design Engineer and Project Manager of R&D***

**Mar 2000 - Aug 2005**

* Designing, managing and prototyping PCB boards for building **medical devices**
* Developing **environmental test programs** based on HPVEE
* DFMEA/PFMEA calculations for OCXO oscillators as parts for medical devices
* Overall Residual Risk Evaluation assessment
* Implementing statistical methods for pre-selection crystals for projects and by that shorted final assembly time for 70%
* Designing **DOE** for different environmental factors affecting a Quality and finding criteria to get **DFX** electrical design
* Training engineering and technician personnel of Manufacturing and QA groups
* **Organizing, planning and managing NPI process** for series of VCXO projects
* Supporting marketing and application engineers for **customizing new oscillators specs**
* **Managing R&D Laboratory** personnel
* **Negotiating prices** for new products with potential customers

[**www.checkpointsystems.com**](http://www.checkpointsystems.com) ***Senior Manufacturing Engineer***

**Aug 1998 - Mar 2000**

* Designing LNA and Power Amplifiers electrical schematics
* Improving receivers and transmitters **8.2, 10.0, 14.0 MHz** electrical schematics
* Developing ATPs, Instructions for all assembly levels
* Designing **Test Fixtures for R&D, Manufacturing and QA Assurance** goals

## *EDUCATION*

* ***MSEE,*** *State Radio Engineering University, Taganrog, Russia*

*Major: Design and Manufacturing Electronic Devices*

* ***Ph.D. in Engineering,*** *University of Toronto (evaluation), Ontario, Canada*
* ***Certified Lean Six Sigma Black Belt Professional,***

*SSGI, Boston, MA*

* ***LinkedIn profile:*** [***www.linkedin.com/in/pavel-mogilevsky-04b411a3***](http://www.linkedin.com/in/pavel-mogilevsky-04b411a3)