**Mikhail KOZLOV**

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**SUMMARY OF QUALIFICATIONS**

A professional with over 10 years of hands-on experience with software development/testing, top tier customer support, equipment, test and measurements, presenting on technical topics, and solving customer application issues. A specialist who works effectively with all levels of employees in cross-functional teams.

**COMPUTER SKILLS**

Web Application, HTML/CSS3, JavaScript, C#, Visual Basic.NET, VBA, Widows PowerShell (DSC), Internet information Services (IIS), SQL server, Oracle, ASP.NET Web Services, HTTP/HTTPS, SOAP/RESTful services, ASP-MVC, Azure, Angular, React, Vue, jQuery, Bootstrap, SQL Database concepts, Java, JDK 1.7 or 1.8, Selenium Automation, TestNG and JUnit scripting for Webdriver, Eclipse IDE, ANT, Git, QTP, Quality Center (ALM), Arduino, XML, MongoDB, Python, R, MATLAB, Visual Studio, Microsoft Office, Automation of Measurements and Testing, Windows server, basic UNIX / Linux (Ubuntu).

**HIGHLIGHTS**

* Self-motivated results-driven person with software design/support/testing experience capable of production level code troubleshooting, debugging, root cause analysis and optimization (.Net, ASP, IIS, SQL server, C#, ASP.NET, Azure, Azure Stack, MVC, HTML/CSS, JavaScript, PowerShell, Power BI).
* Professional level experience with web applications developed using .Net, ADO.NET, C#, LINQ, XML, MVC, HTML/CSS, JavaScript, Angular, React, Vue, jQuery, Bootstrap, PowerShell, VB, VBA.
* Redesign, performance tuning and production support of Client/Server applications based on Microsoft Web APIs, RESTful Web services, SOAP protocol, Ajax Tool Kit, and SQL/T-SQL queries.
* Excellent knowledge and experience with QA testing (C#, Java, Python), Selenium Automation, Agile/Waterfall design methodologies, integration and automated tests, preparation of specifications and training materials.
* Developed software for automation of customer support operations aimed at significant cost savings (C#, PowerShell), provided technical guidance to developers, production personnel, code/process revisions.
* Developed suite of automation tools for Windows troubleshooting, data analysis and communication.
* Project management and technical documentation preparation skills.

**WORK EXPERIENCE**

Bank of New York Mellon, Dallas, TX, Application Support Analyst - Developer, October 2017-present

* Production Support/Development for ASP MVC banking applications, REST/SOAP APIs, SQL Databases, IIS, Microsoft Servers.
* Developed command line tools and class libraries for host applications to provide convenient access to image repositories (REST/SOAP APIs, command line interpreter)
* Developed scalable tools for storing numerous events in SQL Server database and automatic generation of HTML reports for Web and email delivery
* Developed numerous Support Web sites, Selenium Automation, Health Check and troubleshooting procedures, Content Management Systems (Gatsby, React, JAMstack), unit testing routines.
* Developed Real Time Dashboard for monitoring company-wide server and application resources, performance optimization, data storage, automatic email notifications.
* Developed SQL Server/Oracle data extraction, mining, backend monitoring.

Convergys Corp, Richardson, TX, Tier 3 Support Engineer for Microsoft - Developer, March 2016 – September 2017

* Premium Support for Microsoft Web Developer, Windows Reliability, Internet Explorer/Edge, Azure PowerShell.
* Web Application development for .Net using ASP, IIS, SQL server, C#, HTML/CSS3, JavaScript, Angular, React, Vue, jQuery, Bootstrap, PowerShell (DSC), VBA code.
* Worked on software for automation of customer support operations aimed at significant cost savings.
* Developed suite of automation tools for Windows troubleshooting, data analysis and communication.

University of Texas at Dallas, Research Scientist-Developer, 2003 – 2015

* Managed R&D Lab that developed data metrics and reporting tools, produced software for advanced data acquisition and quality assurance testing, embedded systems, fast 3D prototyping. Developed .Net, ASP.NET, C#, HTML/CSS, C, Visual Basic, VBA, Java, Python code, utilized Selenium Automation and database integration. Its world-class accomplishments were reported in over 50 papers and 6 patents.
* Prepared winning hardware/software designs, automation/integration tests, wrote proposals and reports, provided personal training, hands-on fabrication, software and performance validation that were highly beneficial to customers.
* Typical products included novel actuators, speakers, IR sensors, energy storage units, .Net/C# - based test and measurement software with greatly improved performance.
* Discovered conceptually new hybrid acoustic speakers, one-of-a-kind junction array bolometers, vertical electronics, and torsional actuators with highly uncommon properties.
* Developed user-friendly test/database handling software, VSTO (.Net/C#) automation tools, prototype fabrication procedures, measurement equipment needed for successful project completion.

JDS Uniphase Corp., Member of Technical Staff, 2001-2003

* Created software for automation of product design (Visual Basic, Matlab), data test and reduction of development cycle.
* Developed fiber optics amplifiers for major telecom companies (Nortel, Lucent, Alcatel) with significant market value.
* Built test bench and test software for real time evaluation of fast transient processes in fiber optic systems required for product qualification.

New Jersey Inst. of Technology, Researcher, 1998-2001

* Performed computer modeling of novel nano-devices (Unix environment) needed for their applications.
* Developed photonic band gap systems, various nanostructures and characterized their electrical, optical, electromechanical properties needed for improvement of device performance.
* Created precise stress-strain measurement system and test software with substantial project value.

Electrotechnical Laboratory, NIMCR, University of Tsukuba, Japan, Researcher, 1993-1998

* R&D on superhard carbon materials (patented), fullerenes, magnetic carbon and their applications for all carbon electronic devices. Created data acquisition software.

**EDUCATION**

Institute of Semiconductor Physics, Kiev, Ukraine

Ph.D. in Physics, 1989

National Technical University of Ukraine, Kiev, Ukraine

Bachelors in Mechanical Engineering, 1982

**ADDITIONAL SKILLS**

Windows system/software support, test data management; quality assurance tools, test and product automation development, CAD design; mechanical actuators; optical, infrared, magnetic, pressure, strain sensors; 3D prototyping; laser and robotic systems; computer vision; thermo- and photo-acoustics; embedded systems; PLC and computer interfacing; data acquisition and storage; scientific instrumentation. Over 20 year experience in the area of advanced instrumentation design.

**SOFTWARE TOOLS**

Fiddler, WinDBG, WPR/WPA, SysInternals Tools, WER, DibugDiag, NetSh, Wireshark, ASP.NET tools, SolidWorks, Creo/ProE, AutoCAD, OpenSCAD, ANSYS, FEA, MATLAB, Automation of Measurements and Testing.

**HARDWARE TOOLS**

Oscilloscopes, Function Generators, Lock-in Amplifiers, Low/High Voltage Sources, SEM, FIB, DMA, TMA, DLC, PLC, Instron, laser systems, IR, Raman, optical, fluorescence spectroscopy, 3D printing, EDFA, Optical Power Meters, Optical Sources, Optical Spectrum Analyzers, Fiber Scopes, Electric Motors, Hydraulics, Power and Watt Meters, Servos, DC Drives, Positioners.

**CITIZENSHIP** US citizen

**AWARDS**

Nanotech Briefs' Nano 50 Award in Technology category, 2007

Award of Sci. Fellowship by Japan Soc. Promotion of Science (JSPS), 1996

Award of Sci. Fellowship by Japan Soc. Promotion of Science (JSPS), 1995

Award of Sci. Fellowship by Agency Industrial Sci. & Technol. (AIST), 1995

Award of Sci. Fellowship by Sci. & Technol. Agency of Japan (STA), 1993