Resume of Burry M. Kalakov

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SUMMARY OF QUALIFICATIONS:

- 15+ years in Electronics and Computer Technology
- History of delivering projects on time, within budget
- MIT Graduate Electrical Engineer; Master's study in Computer Science
- Strong consultation, analytical and problem solving skills
- Extensive experience with device drivers and kernel code with hardware interface design
- Knowledge of a wide variety of systems and hardware, ability to work on any type of project.
- Experience in project management, team leadership, budgets, scheduling, sales support etc.

SELECTED ACHIEVEMENTS:

- Software patent for language translation
- Hand held remote laser pyrometer (hardware, software design, patents, IR-100 award)
- SCSI device emulation for OS/2 docking support (published in Byte magazine sidebar)
- USB to IDE/ATAPI interface hardware and software reference design

COMPUTER SKILLS

HARDWARE: 68000, X86, PPC, 8./16-Bit CPUs, FPGA

SYSTEMS: UNIX, LINUX, RSX-11, CP/M, OS/2, Win98, Windows 2000/.NET, CDOS

SOFTWARE: C, C++, Pascal, LISP, FORTRAN, PL/M, Java, HTML, various assemblers

EXPERIENCE:

Member Technical Staff, AMD Boxboro, Ma   **2007 to present**
–CodeAnalyst Performance measurement tool development team

- Device driver support for both Linux and Windows
- Added new IBS features to Linux and Windows versions of the tool
- Modified Windows driver to be more compatible with future windows versions and WHQL testing
- Submitted Linux kernel patch to oProfile driver for new IBS features of AMD quad core processors

Senior Engineer Support Team Lead, Thermo Electron Corp. Waltham, Ma
2005 to 2007
– iSeries Instrument platform support, Linux and Windows

- Added new features to uClinux device driver and embedded application
- Updated Windows GUI support program for new product line features
- Maintain and support CVS source code versioning system

Contractl Engineer, VentureTechnologies Inc, Billerica Ma.   **2004 to 2005**
–Contract work at Thermo Environmental Instruments, Franklin, Ma

- Added new features to uClinux device driver and embedded application
- Updated Windows GUI support program for new product line features
- Maintain and support CVS source code versioning system

Principal Support Engineer, Verdasys Inc, Waltham, Ma.
2004
–Windows system programming

- Created windows FSD filter driver for dynamic file encryption
- Customer support and system crash debugging
- Added new features for next generation of Digital Guardian product.

Contract Engineer, <u>Communica Inc</u>, Pocasset, Ma.   **2002 to 2003**
-Contract work onsite at Teradyne Inc, Reading, Ma.

- Created embedded system using real time drivers and kernel modules for 1394 test system using RTLinux and LNET 1394 drivers from FSM Labs for X86 and PPC.
- Hardware team lead for design of an advanced digital power supply board for Intergra test system, involving FPGA, drivers and advanced power management.
- Redesign of docking control hardware and software for Integra test system to reduce cost, improve functionality and increase reliability.

Consulting Engineer, <u>Marathon Technologies Corp</u>., Boxboro, Ma.   **2000 to 2002**
-WIndows System

- Used .NET kernel sources and HALs to port fault tolerant server product from Win2000 to .NET
- Debugged, ported and improved kernel drivers for storage, network and plug and play

-Applications

- Added features, debugged and ported GUI user applications using MFC and VC++
- Ported and improved system installer package

Director of Application Engineering, <u>ScanLogic Corp</u>., Burlington, Ma.   **1999-2000**

-Product design

- Wrote firmware and Windows and Mac device drivers for USB to IDE DVK and reference design
- Wrote firmware and Windows driver, and hardware design for SmartDisk and Compact Flash USB reader reference design
- Participated in pre-sale and design of USB to Flash memory used in Microsoft XBOX controller

-Customer support

- Produced custom versions of software and hardware for customer needs
- Debugged customer hardware and software problems, responded to inquiries

Contract Engineer, <u>Renaissance Worldwide Inc</u>., Waltham, Ma.   **1998 to 1999**
Onsite Digital/Compaq Computer, Marlboro, Ma.

- Portables division device driver group system engineer
- IDE device drivers, network drivers, Plug and Play/ACPI drivers, File System drivers, etc.

Chief Scientist/Senior Engineer, <u>Communica Inc.</u>, Pocasset, Ma   **1993 to 1998**
-Generalist

- Team lead, architect of many projects
- Dos/Windows/WIN95/OS2/NT/Unix system programmer
- DOS, Windows and OS/2 network drivers, NDIS/ODI, TCP stacks
- Device drivers, Multimedia, Video, Storage/SCSI, USB, etc.
- File system drivers, remote, local, non-FAT filesystems
- Copy protection

-Hardware Design

- Pcmcia CardBus
- Embedded systems
- ISA and MCA card designs

PRIOR EXPERIENCE:

- <u>Cerjac </u>Inc. SONET test equipment
- <u>Barsook and Brisk</u>, contract consulting
- <u>Intermetrics</u>, Space Shuttle software
- <u>Genrad</u>, automated testing

EDUCATION:

- **MASSACHUSETTS INSTITUTE OF TECHNOLOGY**, Boston, Massachusetts: Candidate   for Master of Science in Computer Science Engineering

- **MASSACHUSETTS INSTITUTE OF TECHNOLOGY**, Boston, Massachusetts: Bachelor of Science in Electrical Engineering (B.S.E.E); MAJORS-Computer Science & Electrical Engineering

PATENTS

- Translation of Natural Language
- User interface Design (Software)
- Various other product patents

AWARDS

- I-R 100 Award (1985)-Hand-Held Laser Pyrometer
- I-R 100 Award (1982)-Hand-Held Gamma Ray Contraband Detector

AFFLIATION

- President-AMICA (1982-1985)
- Circle of Friends Coffeehouse, Franklin, Ma
- (misc. public service activities including Disaster assistance with area amateur radio clubs)
- Member IEEE and ACM