Roy F. Flacco

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Summary

DevOps Engineering, System / Network Administration, System Management

- Very experienced Senior DevOps Engineer. Has designed, developed, deployed, and maintained networked server systems for over 20 years. Has deep familiarity with Linux, Unix, and Windows in commercial and industrial environments, custom and commercial secure applications, internet and intranet websites, and has managed System Administration departments in addition to technical responsibilities.

Engineering

- Seasoned and accomplished Senior System Engineer, with deep experience in analog and digital electronics for computer and non-computer applications, and both system and application software. Has designed and delivered commercial, industrial, aerospace, and scientific products, software for Unix/Linux, Windows, Web/CGI, and embedded systems, hardware for commercial and industrial systems, network systems, data storage peripherals. Experienced technical team leader and manager.

Experience

- **DevOps Engineering, System / Network Administration**

  Decades of experience with Linux, Unix, and Windows networked systems
  Network architecture, security, resources, planning
  Server, application, website design, implementation
  Development and deployment of secure systems for customers, clients
  Coordination of international sites, advising top management
  Management and technical direction of System Administration

- **Software Languages, Operating Systems, Command Languages, Tools**

  Unix, Linux, Windows, OS X, embedded OSes
  ANSI C, Shell script, HTML, CGI, Visual C & Basic, Assembler
  Software development tools
  Network administration tools for Unix, Linux, Windows
  Website design, development, management, CGI. NIC handle: RF878
  CAD tools, OrCAD, graphical editors, office productivity
  Technical documentation tools, source control

- **Digital and Analog Hardware**

  Standard and proprietary computer systems and networks
  ARM-7, x86, 68K/680x/650x CPUs, memory, storage, peripherals
  USB, FireWire/1394, PCMCIA, PCI, ISA, GPIB, STD, iSBX busses
  Interface / conversion circuitry for digital and analog systems
  Embedded system controllers, CPUs, FPGAs
  Amplifiers, converters, controllers, sensors, transducers, actuators
  Signals from microvolts to 440 VAC, frequencies DC-GHz

Employment History

GrammaTech, Inc.
www.grammatech.com **GRAMMATECH** **2013-present**

Senior DevOps Engineer for a leader in the field of software assurance tools and advanced cyber-security solutions, including static analysis and related technologies. Responsible for a network of Linux, Windows, and Sun servers, engineering and office users, secure websites, and network infrastructure.

MCCI Corporation
www.mcci.com **MCCI** **2005-2013**

Director / Senior System Administrator for a technology-driven software company specializing in USB, embedded systems, PCMCIA, real-time O/S, test systems, device drivers, evaluation platforms. Led the Sysadmin team responsible for a network of Unix, Windows, Linux, and Sun servers, engineering and office users and a dozen engineering teams internationally, secure websites, and network infrastructure.

WoodDuck Computer Consulting
www.wdcc.com **1988-Present**

Independent Consultant Custom software applications, device drivers, libraries, utilities. Unix, Linux, and Windows system administration; engineering facility network admin. Commercial website design, setup, maintenance; content generation, CGI development. Design of personal computer peripherals, data storage hardware, software. Satellite hardware, ground station hardware, software. Industrial hardware, software, test systems. Power station biological monitoring. Bioacoustic location software. Remote technical support for commercial and industrial clients.

Glyph Technologies
www.glyphtech.com **GLYPH** **2001-2005**

Director of Engineering and System Administration High-end professional digital audio storage and distribution systems. IEEE-1394 (FireWire) storage subsystems. Collaborative real-time performance networked digital audio delivery system. Design and administer corporate server farm of custom-built and commercial hardware (Linux, Windows), with Samba and AppleShare support for user workstations. Design, write, and maintain corporate Internet website (Apache on Unix), and Intranet website for technical document control system (Apache on Linux). Write and maintain software for testing, production, technical documentation control. Establish and administer engineering/test standards, design guidelines.

Moore Computer Consultants Inc.
www.mcci.com **MOORE COMPUTER CONSULTANTS INCORPORATED** **1995-2001**

V.P. Hardware Engineering, System Administrator for a small company specializing in USB, embedded systems, PCMCIA, real-time O/S, test systems, device drivers, evaluation platforms. Supervised hardware design/development projects, designed products, wrote driver and test software, installed test systems. Administered a Unix/Windows engineering development network and secure website for proprietary and customer data.

Databook Inc.
www.databook.com **DATABOOK INCORPORATED** **1993-95**

Manager of Hardware Engineering for a pioneer in PCMCIA (PC-Card) personal computer data

storage peripherals and controllers. PC peripherals for volume production and customer evaluation. Utilities, Unix/PC test suites for debugging and product/system test. Databook was subsequently closed.

Ithaco, Inc. **1987-88, 1981-85**
www.ithaco.com

Senior Systems Engineer   Satellite subsystems, attitude control components, computer spec/design. Infrared earth-radiance sensors. Mil-spec, high-rel hardware design, analog signal processing. Engineering system administration, documentation control. Spacecraft test systems, worst-case / failure-mode analyses. Ithaco was subsequently purchased by **Goodrich Optical and Space Systems**.

CompuDAS Corporation **1985-87**
www.compudas.com

Senior Engineer   Real-time industrial control systems. Award-winning process control computer, in continuous production and use since 1985. System hardware, system software, application/test software, system/network administration. Jet engine test system hardware, software. Ultra-linear frequency-to-voltage converter. Custom applications, utilities, turnkey system packages.

Borg-Warner Electronics 1978-81

Senior Engineer   Real-time microcomputer-based industrial motor controls. 3-phase AC power conversion hardware, embedded system hardware, software. High-horsepower inverter test systems. BWE was subsequently purchased by **Emerson Electric Co.** industrial drives division.

Drexel University **1974-78**
www.drexel.edu

Head of College of Science Electronics Shop   Design of custom hardware, software, computer systems for research and instruction.
Staff Instructor   Department of Physics. Taught electronics, night school.

Awards and Publications

- 1986 National "Excellence in Design" Award (3rd), Design Engineering

- Flacco, "Process Control Board", Measurement & Control, April 1987

Education

1975 B.S. Physics (Honors), Drexel University, Philadelphia, PA.

Personal and Contact Info

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Citizenship: USA
Health: Excellent
Hobbies: Music, alternative energy systems, house-building, home computers/networks
References: supplied upon request.