MARYRITA F. STEINHOUR

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SUMMARY

Software Engineer, Program Manager and team leader with over 25 years of experience in delivering quality products on and ahead of schedule. Managed and shipped key components of operating system software and middleware for two multinational corporations. Adept at achieving results while maintaining good team morale within and between teams. Proficient in understanding and tracking to the big picture while driving the details. Published author and experienced speaker.

Key competencies include:

- Comprehensive knowledge of security certifications (Common Criteria, FIPS) and substantial experience in obtaining those certifications
- Strong background in product security
- Extensive experience in managing and shipping products across multiple releases, technologies, and delivery vehicles
- Proven excellence in collaboration and negotiation across organizations and geographies
- Demonstrated strong oral and written communication skills
- Excellent rapport with customers and partners
- Broad technical knowledge and the ability to apply it to new technical areas
- Recognized for team leadership as well as individual achievement

PROFESSIONAL EXPERIENCE

F5 Networks - Seattle, WA 2011 to present

Senior Software Engineer, Security

- Own security-related certifications process and implementation for BIGIP product family.
  - Completed Common Criteria EAL 2 certification for BIGIP Local Traffic Manager
  - Create and execute on strategy and roadmaps for future Common Criteria, FIPS, and other security-related certifications and standards
  - Work with geographically-dispersed F5 labs and vendors
  - F5 point of contact for NIAP Network Device Protection Profile development
  - Define and drive enhancements to the development and test processes that will produce more secure code and make certification efforts easier
  - Lead Threat Model Assessments and TMA process changes for both the baseline product and new features

Microsoft Corporation - Redmond, WA 2005 to 2010

Senior Program Manager, Windows Hyper-V

- Owned Hyper-V sustained engineering (post-ship service) for all shipped releases of Windows with Hyper-V
  - Responsible for customer and field contacts and bug triage
  - Coordinated with Windows sustained engineering (WinSE) in Redmond and India, customer support personnel, and field personnel across the world
  - Drove development, test, and shipment of patches and service packs
  - Delivered a total of 24 patches and 2 service packs over two years.
  - Developed and documented service processes to mesh with WinSE processes but still fit Hyper-V requirements.

- Managed critical aspects of shipping Hyper-V
    - Drove schedules, requirements, and content of the hypervisor component in the first release of Hyper-V, bringing it in on time and with complete function
    - Coordinated relationship between Microsoft and hardware partners
    - Coordinated externally-published documentation for two releases, as well as interim updates.
        - Included the SDK/WDK, the hypervisor Top Level Functional Specification, and other related documents
        - Collaborated with several documentation teams
        - Ensured that compliance requirements as well as deadlines and content requirements were met without sacrificing quality.
- Security Program Manager
    - Responsible for ensuring that Hyper-V was developed using development and test best security practices to eliminate or mitigate security threats against the product.
    - Led Common Criteria certification effort, culminating in EAL 4+ certification for Hyper-V. Worked with internal Microsoft security team, the auditor (atsec information security), and certification authority (BSI).
    - Drove internal security process (Security Development Lifecycle (SDL)), ensuring that all requirements were complete And achieved sign-off to ship Hyper-V.
    - Security consultant for SDL, threat models, and security bugs.
- Technical Program Manager for Security, Manageability, and Setup
    - Responsible for
        - Evaluating security requirements and recommending new security features
        - Windows Management Instrumentation (WMI) requirements and new function, both for infrastructure and for support of networking and storage features
        - Installation and setup of the Hyper-V role, and compatibility between releases.
    - Coordinated requirements, specifications, and implementation with partner teams across Windows.
    - Gathered and analyzed requirements and produced functional specifications for new release features.
- Presented at trade shows (WinHEC) and customer briefings

IBM Corporation – Endicott, NY 1982 - 2004

Senior Technical Staff Member

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- Product Owner, Security, Networking, and Directory products
    - Formed and led cross-site teams to design, implement, and ship middleware on multiple operating system platforms. Shipped multiple releases of five products.
    - Managed projects from bringing them in-house and building the team through shipment and service.
    - Collaborated and coordinated with counterparts on other platforms, ensuring simultaneous product releases and integrated and compatible designs.
    - Worked with external partner teams such as Novell to port and ship product code
- Strategist and designer, Platform Architecture and Design Team
    - Defined strategy for virtualization across IBM platforms and participated in working groups for related strategy topics
    - Led Common Criteria (EAL 4+) certification effort for POWER hypervisor.
    - Led and participated in cross-platform design and strategy working groups
- Project and technical lead, IBM operating systems
    - Drove project planning and implementation for all features in a large functional area, and for integration with the other features in the release.
    - Worked with hardware and other software teams to meet cross-team dependencies.
    - Led working groups for cross-team and cross-platform design councils.
    - Led working groups for customer design councils.
    - Ensured a smooth transfer of the VM operating system from one geographic location to another while designing and implementing a release. This included transferring work between personnel as well as coordinating work while personnel relocated. The transfer was accomplished with a minimum of disruption to the release schedules.
- Architect, designer, and developer, IBM operating systems

- Designed TCP/IP stack configuration and provided input for other areas of TCP/IP stack rewrite design for OS/390
- Led strategy and design decisions for Linux on S/390
- Orchestrated transfer of TCP/IP stack ownership to new team, and participated in strategy and design.
- Designed multiple features for VM/ESA and z/VM, including POSIX data space support.
- Designed, developed, tested, and serviced features for the IBM TSS/370 operating system, and for the IBM PC/IX and VM/IX operating systems.

EDUCATION

University of Detroit - Detroit, MI
Bachelor of Electrical Engineering
Bachelor of Science (Mathematics)

AWARDS AND PROFESSIONAL ACTIVITIES

Awards

- IBM: Division Award for Outstanding Technical Leadership
- IBM: Division Award
- SHARE VM Group: Knight of VM

Task Forces and Councils

- IBM Academy of Technology Studies on virtualization and virtual server hosting.
- Advanced e-Business Council (Customer partnership). Led Virtual Server Hosting and Virtualization workgroups.
- Server Virtualization Task Force (cross-IBM and cross-product). Led several sub-groups of this annual task force.
- eServer Design Council (internal mirror of the Advanced eBusiness Council). Led Virtualization workgroup.
- S/390 Software Design Council (cross-IBM and cross-product). Led several workgroups on virtualization and security topics.
- S/390 Platform Design Council (zSeries hardware and software).
- Security Technical Council (cross-IBM).
- Linux Design Board (zSeries).

Publications

- SHARE Proceedings, several years
- GUIDE
- Chapter in the *VM/ESA Handbook*, McGraw-Hill, 1993. "Exploiting VM/ESA Facilities"
- VM Vendor Newsletter article, 1988
- NASA Technical Report, 1979

Presentations

- WinHEC 2006
- IBM Advanced e-Business Council
- SHARE, GUIDE
- Sterling Technical Conference
- VM Workshop
- VM Technical Conference
- VM Master's Class
- VM Teleconference Series
- Large/Storage Systems Specialist Update
- MVMUA (Metropolitan VM User's Association), Hillgang
- Individual customers
- Customer briefings

Professional Affiliations

- Member, IEEE and IEEE Computer Society (since 1982)
- Member, ACM (since 1982)
- Member, Phi Beta Kappa Honor Society
- Member, Eta Kappa Nu, Mathematics Fraternity / Honor Society
- Member, Pi Mu Epsilon, Engineering Fraternity / Honor Society