### TECHNICAL CERTIFICATIONS - GROUPED by TYPE, by SUBJECT AREA, and by YEAR

#### **GROUPED BY TYPE**

## **IBM/Red Hat Sales Foundation**

IBM Power Systems Solutions (2022)
IBM Power Systems Infrastructure (2022)
IBM Power Cyber Resiliency (2022)
IBM Systems Cyber Resiliency (2022)
IBM Power Systems Power10 (2022)
Quantum-Safe with IBM Power10 (2022)

BP Storage Fundamental Sales Concepts (2022)

IBM Storage for Data and AI (2022)
IBM Storage for FlashSystem (2022)
IBM Storage for Data Resilience (2022)

IBM Storage Sales Concepts (2022)

IBM Storage for Containers and Cloud Paks (2022)

IBM Storage for Hybrid Cloud (2022) IBM Storage for SAP HANA (2022) IBM Storage for Tape (2022) IBM Storage for IBM Z (2022)

IBM Systems Enterprise Storage (2022)

BP Enterprise Storage (2022)
IBM Spectrum Fusion (2022)
Cloud Pak for Watson AlOps (2022)
Business Automation Manager (2022)
Cloud Pak for Business Automation (2022)

Instana by IBM (2022)

Turbonomic by IBM (2022)

IBM Security Sales (2022)

IBM Cloud Pak for Security (2022)
IBM Security Guardium (2022)
IBM Security Verify (2022)
IBM Security/QRadar XDR (2022)
IBM PowerVS (Virtual Server) (2022)
Cloud for Financial Services (2022)

Cloud Satellite (2022) SAP on IBM Cloud (2022)

Cloud Pak for Data (Collect, Analyze) (2022)

Envizi (2022)

Maximo Application Suite (2022) IBM Watson Discovery (2022) IBM Watson Assistant (2022) IBM Watson Speech (2022) WebSphere Automation (2022)

IBM Query (2022) IBM Db2 (2022)

IBM Netezza Performance Server (2022)
IBM Watson Machine Learning for z/OS (2022)

IBM Z, z15, z16, LinuxONE III (2022)

IBM TSS (2022)

Red Hat Enterprise Linux (2022)

Red Hat Hybrid Cloud Infrastructure (2022)

### **Technical Sales / Sales Intermediate**

Red Hat Sales Engineer Specialist – Platform (2022)

IBM Power Systems Enterprise Linux V2 (2022)

IBM Power Systems Enterprise Linux Technical Sales Intermediate V3 (2022)

IBM Power ISV and Modernization Solutions (2022)

IBM Power Systems laaS (2022)

IBM Power Systems Infrastructure as a Service (IaaS) Technical Sales Intermediate V3

SAP HANA on IBM Power Sales Intermediate (2023)

IBM Power Systems Virtual Server Sales Intermediate (2022)

IBM Power Systems Virtual Server Technical Sales Intermediate (2022)

Modernizing Business for Hybrid Cloud with IBM Power Sales Intermediate (2022)

Modernizing Business for Hybrid Cloud with IBM Power Technical Sales Intermediate (2022)

Storage for Data Resilience with Hyperswap Technical Sales Intermediate (2023)

Storage for Data Resilience with HyperSwap Sales Intermediate (2022)

IBM Systems Business Partner - IBM Storage for Data and AI - Technical Advocate (2022)

IBM Systems Business Partner - IBM Storage for Data Resilience - Technical Advocate (2022)

IBM Systems Business Partner - Storage for Hybrid Cloud - Technical Advocate (2022)

IBM Systems Business Partner - Enterprise Storage - Technical Advocate (2022)

IBM Envizi Sales Intermediate (2023)

IBM Envizi Technical Sales Intermediate (2023)

Maximo Application Suite Sales Intermediate (2023)

Maximo Application Suite Technical Sales Intermediate (2023)

Maximo Visual Inspection Sales Intermediate (2022)

Maximo Visual Inspection Technical Sales Intermediate (2022)

Cloud Pak for Business Automation Sales Intermediate (2022

Cloud Pak for Business Automation Technical Sales Intermediate (2022)

IBM z15 Technical Advisor (2022)

IBM z16 Technical Advisor (2022)

IBM Z Cyber Resiliency Technical Advisor (2022)

IBM Z Business Partner Analytics and Machine Learning V1 (2022)

IBM Power8 Sales Specialist (2017)

IBM Power8 Enterprise Systems Specialist (2017)

IBM Certified Technical Sales Specialist - Power Systems with POWER8 Enterprise (2015)

IBM Certified Technical Sales Specialist - Power Systems with POWER8 Scale-out (2015)

### **IBM Advocacy**

IBM Champion (2019, 2020, 2021, 2022, 2023)

AIX Level III Advocate (2020)

#### Misc IBM

IBM Multi-Exam Developer and Exam Developer (2021)

IBM Redbooks Silver Author (2021)

IBM Enterprise Design Thinking Practitioner (2022)

IBM TechU Conference Speaker (2018, 2019, 2020, 2021)

### **TECHNICAL SPECIALIZATIONS**

#### AIX

IBM AIX V7 Administrator Specialty (2021)

IBM Certified Advanced Technical Expert - Power Systems with AIX (2011, 2012)

IBM Certified Advanced Technical Expert -- RS/6000 AIX V4 (1998)

IBM Certified System Administrator - AIX 7 (2012)

IBM Certified System Administrator - AIX 6.1 (2011)

IBM Certified Systems Expert - Virtualization Technical Support for AIX and Linux (2011)

IBM Certified Systems Expert - Enterprise Technical Support for AIX and Linux (2011)

IBM Certified Specialist -- RS/6000 SP (2000)

IBM Certificate of Proficiency for AIX V4.2 Problem Determination Tools and Techniques (1998)

IBM Certificate of Proficiency for AIX V4.2 Installation and System Recovery (1998)

IBM Certified Specialist -- AIX V4.3 System Support (1998)

IBM Certified Specialist -- AIX V4.1 System Administration (1997)

## Clustering/High Availability/Disaster Recovery

IBM PowerHA for AIX 7.2.5 Specialty (2021)

Veritas Resiliency Platform (VRP) Qualified Support Engineer (2017)

IBM Certified Systems Expert - High Availability for AIX Tech Support and Admin (2011,2012)

IBM Certified Specialist -- HACMP for AIX (1998)

## Storage/Tape

Veritas Data Insight Qualified Support Engineer (2018)

IBM Certified Specialist - Midrange Storage Technical Support (2014)

IBM Certified Specialist - XIV Storage System Technical Solutions (2013)

IBM Certified Specialist - High Volume Storage Fundamentals (2011,2012)

IBM Certified Specialist - High-End Tape (2012)

IBM Certified Specialist - High-End Disk for Open Systems (2011)

# Cloud, System X

IBM Certified Solution Advisor - Cloud Computing Architecture (2012)

IBM Certified Specialist - System x Technical Principles (2011)

## **GROUPED BY SUBJECT AREA**

ΑD	VOCACY		
•	IBM	IBM Champion	2023
•	IBM	IBM Champion	2022
•	IBM	IBM Champion	2021
•	IBM	IBM Champion	2020
•	IBM	IBM AIX Community Advocate V2	2020
•	IBM	IBM Champion	2019
PL	ATFORMS –	Power, Red Hat, Z	
•	Red Hat	Red Hat Sales Engineer Specialist – Platform	2022
•	Red Hat	Red Hat Sales Engineer Specialist – Hybrid Cloud Infrastructure	2022
•	IBM	IBM Power Systems Solution Sales Foundation V3	2022
•	IBM	IBM Power Systems Solution Foundation	2022
•	IBM	IBM Power Systems Infrastructure Sales Foundation V2	2022
•	IBM	IBM Power Systems Infrastructure Sales Foundation V3	2022
•	IBM	SAP HANA on IBM Power Sales Intermediate	2023
•	IBM	IBM Power Cyber Resiliency Foundational	2022
•	IBM	IBM Power Systems Resiliency Foundational	2022
•	IBM	IBM Power Systems Power10 Foundational	2022
•	IBM	IBM Quantum-Safe with IBM Power10 (2022) Sales Foundation	2022
•	IBM	IBM Power Systems Virtual Server Sales Foundation	2022
•	IBM	IBM Power Systems Enterprise Linux Technical Badge V2	2022
•	IBM	IBM Power Systems Enterprise Linux Technical Sales Intermediate V3	2022
•	IBM	IBM Power ISV and Modernization Solutions	2022
•	IBM	IBM Power Systems Infrastructure as a Service Technical V2	2022
•	IBM	IBM Power Systems Infrastructure as a Service (IaaS) Technical Sales Intermediate V3	2022
•	IBM	IBM Power Systems Virtual Server Sales Intermediate	2022
•	IBM	IBM Power Systems Virtual Server Technical Sales Intermediate	2022
•	IBM	Modernizing Business for Hybrid Cloud with IBM Power Sales Intermediate	2022
•	IBM	Modernizing Business for Hybrid Cloud with IBM Power Technical Sales Intermediate	2022
•	IBM	IBM Z Foundations	2022
•	IBM	IBM z15 Sales Foundation	2022
•	IBM	IBM z16 Sales Foundation	2022
•	IBM	IBM LinuxONE Sales Foundation v2	2022
•	IBM	IBM Quantum-Safe with IBM z16	2022
•	IBM	IBM z15 Technical Advisor	2022
•	IBM	IBM z16 Technical Advisor	2022
•	IBM	IBM Z Cyber Resiliency Technical Advisor	2022
•	IBM	Certified Sales Specialist - Power Systems with POWER8 V2	2017
•	IBM	Certified Technical Sales Specialist - Power Systems with POWER8 Enterprise V2	2017

•	IBM IBM IBM	Certified Technical Sales Specialist - Power Systems with POWER8 Enterprise V1 Certified Technical Sales Specialist - Power Systems with POWER8 Scale-out V1 Certified Specialist - System x Technical Principles V10 Certified Specialist RS/6000 SP	2015 2015 2011 2000
OP	ERATING SY	STEMS – AIX and Linux	
•	Red Hat	Red Hat Sales Specialist – Red Hat Enterprise Linux	2022
•	IBM	IBM AIX V7 Specialty	2021
•	IBM	Certified Advanced Technical Expert - Power Systems with AIX - v3	2012
•	IBM	Certified System Administrator - AIX 7	2012
•	IBM	Certified Advanced Technical Expert - Power Systems with AIX - v2	2011
•	IBM	Certified System Administrator - AIX 6.1	2011
•	IBM	Certified Systems Expert - Virtualization Technical Support for AIX and Linux - v2	2011
•	IBM	Certified Systems Expert - Enterprise Technical Support for AIX and Linux -v2	2011
•	IBM	Certified Specialist AIX V4.3 System Support (pre-2000)	1998
•	IBM	Certified Advanced Technical Expert RS/6000 AIX V4 (pre-2000)	1998
•	IBM	Certificate of Proficiency for AIX V4.2 Problem Determination Tools and Techniques	1998
•	IBM	Certificate of Proficiency for AIX V4.2 Installation and System Recovery	1998
•	IBM	Certified Specialist AIX V4.1 System Administration	1997
HIC	GH AVAILAB	ILITY	
•	IBM	IBM PowerHA SystemMirror V7.2.5 for AIX Administrator Specialty	2021
•	Veritas	Veritas Resiliency Platform (VRP) Qualified Support Engineer	2017
•	IBM	Certified Systems Expert - High Availability for AIX Tech Support and Administration -v2	
•	IBM	Certified Systems Expert - High Availability for AIX Technical Support and Administration	
•	IBM	Certified Specialist HACMP for AIX	1998
	TERPRISE ST		
•	IBM	IBM Systems Business Partner Storage Fundamental Sales Concepts V1	2022
•	IBM	IBM Systems Business Partner Enterprise Storage Sales Foundational V1	2022
•	IBM	Storage for Data and AI - Sales Foundation	2022
•	IBM	Storage for Data Resilience - Foundational V2	2022
•	IBM IBM	Storage for Containers and Cloud Paks - Sales Foundation V2	2022 2022
•	JBM	Storage for FlashSystem - Foundational Storage for Hybrid Cloud Foundational V2	2022
•	IBM	Storage for SAP HANA Foundational V2	2022
•	IBM	IBM Spectrum Fusion Foundational	2022
•	IBM	Storage for IBM Z Foundational V2	2022
•	IBM	Storage for Data Resilience with Hyperswap Technical Sales Intermediate	2023
•	IBM	Storage for Data Resilience with HyperSwap Sales Intermediate	2022
•	IBM	IBM Systems Business Partner - Storage for Data and Al Technical Advocate V2	2022
•	IBM	IBM Systems Business Partner - Storage for Data Resilience - Technical Advocate V2	2022
•	IBM	IBM Systems Business Partner - Storage for Hybrid Cloud Technical Advocate V2	2022
•	IBM	IBM Systems Business Partner – Enterprise Storage Technical Advocate V2	2022
•	Veritas	Data Insight Qualified Support Engineer	2018
•	IBM	Certified Specialist - Midrange Storage Technical Support V3	2014
•	IBM	Certified Specialist - XIV Storage System Technical Solutions V4	2013
•	IBM	Certified Specialist - High Volume Storage Fundamentals V2	2012
•	IBM	Certified Specialist - High Volume Storage Fundamentals V1	2011

•	IBM	Certified Specialist - High-End Disk for Open Systems V2	2011
AU	JTOMATION	I / CLOUD INFRASTRUCTURE MANAGEMENT	
•	IBM	Business Automation Manager Open Editions Sales Foundation	2022
•	IBM	Cloud Pak for Business Automation Sales Foundation V2	2022
•	IBM	Cloud Pak for Business Automation Sales Intermediate	2022
•	IBM	Cloud Pak for Business Automation Technical Sales Intermediate	2022
•	IBM	Instana by IBM Sales Foundation	2022
•	IBM	Turbonomic by IBM Sales Foundation	2022
•	IBM	Cloud Pak for Watson AIOps Sales Foundation	2022
•	IBM	WebSphere Automation Sales Foundation	2022
•	IBM	WebSphere Automation for Technical Sales Intermediate	2022
SE	CURITY		
•	IBM	IBM Security Sales Foundation	2022
•	IBM	IBM Cloud Pak for Security Sales Foundation v2	2022
•	IBM	IBM Security Guardium Sales Foundation	2022
•	IBM	IBM Security Verify Sales Foundation v2	2022
•	IBM	IBM Security QRadar XDR Sales Foundation	2022
CL	OUD		
•	IBM	SAP on IBM Cloud Sales Foundation	2022
•	IBM	Cloud for Financial Services Sales Foundation	2022
•	IBM	Cloud for Financial Services Sales Foundation v2	2022
•	IBM	Cloud Satellite Sales Foundation	2022
•	IBM	Certified Solution Advisor - Cloud Computing Architecture V2	2012
DA	TA/AI		
•	IBM	OEM Databases Sales Foundation	2023
•	IBM	Cloud Pak for Data – Collect Sales Foundation	2022
•	IBM	Cloud Pak for Data – Analyze Sales Foundation	2022
SU	STAINABILI	•	
•	IBM	Maximo Application Suite Sales Foundation	2022
•	IBM	Maximo Application Suite Sales Intermediate	2023
•	IBM	Maximo Application Suite Technical Sales Intermediate	2023
•	IBM	Sustainability and IBM Envizi Sales Foundation	2022
•	IBM	IBM Envizi Sales Intermediate	2023
•	IBM	IBM Envizi Technical Sales Intermediate	2023
•	IBM	Maximo Visual Inspection Sales Intermediate	2022
•	IBM	Maximo Visual Inspection Technical Sales Intermediate	2022
IBI		/ANALYTICS/AI	2255
•	IBM	Watson Discovery Sales Foundation	2022
•	IBM	Watson Assistant Sales Foundation	2022
•	IBM	IBM Z Analytics and Machine Learning	2022
•	IBM	IBM Z Analytics and Machine Learning v2	2022
•	IBM	IBM Z Business Partner Analytics and Machine Learning V1	2022

# **ENTERPRISE TAPE**

<ul><li>IBM</li></ul>		2022 2012		
	Certified Specialist - High-Elid Tape Vo	2012		
MISC				
• IBM	IBM TSS Foundations	2022		
PUBLICA	PUBLICATIONS, PRESENTATIONS, EXAMS			
• IBM	Enterprise Design Thinking	2022		
• IBM	IBM Redbooks Silver Author	2021		
• IBM	IBM Certification Exam Developer – Multi-Exam Contributor	2021		
• IBM	IBM Certification Exam Developer	2021		
• IBM	IBM Systems Technical University Speaker	2020		
• IBM	IBM Systems Technical University Speaker	2019		
• IBM	IBM Systems Technical University Speaker	2018		

# **GROUPED BY YEAR**

•	IBM	IBM Champion	2023
•	IBM	OEM Databases Sales Foundation	2023
•	IBM	Storage for Data Resilience with Hyperswap Technical Sales Intermediate	2023
•	IBM	SAP HANA on IBM Power Sales Intermediate	2023
•	IBM	IBM Envizi Sales Intermediate	2023
•	IBM	IBM Envizi Technical Sales Intermediate	2023
•	IBM	Maximo Application Suite Sales Intermediate	2023
•	IBM	Maximo Application Suite Technical Sales Intermediate	2023
•	IBM	IBM Champion	2022
•	Red Hat	Red Hat Sales Engineer Specialist – Platform	2022
•	Red Hat	Red Hat Sales Specialist – Red Hat Enterprise Linux	2022
•	Red Hat	Red Hat Sales Engineer Specialist – Hybrid Cloud Infrastructure	2022
•	IBM	IBM Power Systems Solution Sales Foundation V3	2022
•	IBM	IBM Power Systems Solution Foundation	2022
•	IBM	IBM Power Systems Infrastructure Sales Foundation V2	2022
•	IBM	IBM Power Systems Infrastructure Sales Foundation V3	2022
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•	IBM	IBM Power Systems Resiliency Foundational	2022
•	IBM	IBM Power Systems Power10 Foundational	2022
•	IBM	IBM Quantum-Safe with IBM Power10 Sales Foundation	2022
•	IBM	IBM Power Systems Virtual Server Sales Foundation	2022
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•	IBM	IBM Power Systems Enterprise Linux Technical Sales Intermediate V3	2022
•	IBM	IBM Power ISV and Modernization Solutions	2022
•	IBM	IBM Power Systems Infrastructure as a Service Technical V2	2022
•	IBM	IBM Power Systems Infrastructure as a Service (IaaS) Technical Sales Intermediate V3	2022
•	IBM	IBM Power Systems Virtual Server Sales Intermediate	2022
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•	IBM	IBM Systems Business Partner Enterprise Storage Sales Foundational V1	2022
•	IBM	Storage for Data Resilience with HyperSwap Sales Intermediate	2022
•	IBM	IBM Systems Business Partner - Storage for Data and Al Technical Advocate V2	2022
•	IBM	IBM Systems Business Partner - Storage for Data Resilience - Technical Advocate V2	2022
•	IBM	IBM Systems Business Partner - Storage for Hybrid Cloud Technical Advocate V2	2022
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•	IBM	Storage for Data Resilience - Foundational V2	2022
•	IBM	Storage for Containers and Cloud Paks - Sales Foundation V2	2022
•	IBM	Storage for FlashSystem - Foundational	2022
•	JBM	Storage for Hybrid Cloud Foundational V2	2022
•	IBM	Storage for SAP HANA Foundational V2	2022
•	IBM	IBM Spectrum Fusion Foundational	2022

•	IBM	Storage for IBM Z Foundational V2	2022
•	IBM	Storage for Tape Foundational	2022
•	IBM	IBM Security Sales Foundation	2022
•	IBM	IBM Cloud Pak for Security Sales Foundation v2	2022
•	IBM	IBM Security Guardium Sales Foundation	2022
•	IBM	IBM Security Verify Sales Foundation v2	2022
•	IBM	IBM Security QRadar XDR Sales Foundation	2022
•	IBM	SAP on IBM Cloud Sales Foundation	2022
•	IBM	Cloud for Financial Services Sales Foundation	2022
•	IBM	Cloud for Financial Services Sales Foundation v2	2022
•	IBM	Cloud Satellite Sales Foundation	2022
•	IBM	Instana by IBM Sales Foundation	2022
•	IBM	Business Automation Manager Open Editions Sales Foundation	2022
•	IBM	Cloud Pak for Business Automation Sales Foundation V2	2022
•	IBM	Cloud Pak for Business Automation Sales Intermediate	2022
•	IBM	Cloud Pak for Business Automation Technical Sales Intermediate	2022
•	IBM	WebSphere Automation Sales Foundation	2022
•	IBM	WebSphere Automation for Technical Sales Intermediate	2022
•	IBM	Turbonomic by IBM Sales Foundation	2022
•	IBM	Cloud Pak for Watson AIOps Sales Foundation	2022
•	IBM	Cloud Pak for Data – Collect Sales Foundation	2022
•	IBM	Cloud Pak for Data – Analyze Sales Foundation	2022
•	IBM	Maximo Application Suite Sales Foundation	2022
•	IBM	Maximo Visual Inspection Sales Intermediate	2022
•	IBM	Maximo Visual Inspection Technical Sales Intermediate	2022
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•	IBM	Watson Assistant Sales Foundation	2022
•	IBM	IBM Z Analytics and Machine Learning	2022
•	IBM	IBM Z Analytics and Machine Learning v2	2022
•	IBM	IBM Z Business Partner Analytics and Machine Learning V1	2022
•	IBM	IBM Z Foundations	2022
•	IBM	IBM z15 Sales Foundation	2022
•	IBM	IBM z16 Sales Foundation	2022
•	IBM	IBM LinuxONE Sales Foundation v2	2022
•	IBM	IBM Quantum-Safe with IBM z16	2022
•	IBM	IBM z15 Technical Advisor	2022
•	IBM	IBM z16 Technical Advisor	2022
•	IBM	IBM Z Cyber Resiliency Technical Advisor	2022
•	IBM	IBM TSS Foundations	2022
•	IBM	Enterprise Design Thinking	2022
•	IBM	IBM Champion	2021
•	IBM	IBM PowerHA SystemMirror V7.2.5 for AIX Administrator Specialty	2021
•	IBM	IBM AIX V7 Specialty	2021
•	IBM	IBM Redbooks Silver Author	2021
•	IBM	IBM Certification Exam Developer – Multi-Exam Contributor	2021
•	IBM	IBM Certification Exam Developer	2021

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•	IBM	IBM Champion	2019
•	IBM	IBM Systems Technical University Speaker	2019
•	IBM	IBM Systems Technical University Speaker	2018
•	Veritas	Data Insight Qualified Support Engineer	2018
•	Veritas	Veritas Resiliency Platform (VRP) Qualified Support Engineer	2017
•	IBM	Certified Sales Specialist - Power Systems with POWER8 V2	2017
•	IBM	Certified Technical Sales Specialist - Power Systems with POWER8 Enterprise V2	2017
•	IBM	Certified Technical Sales Specialist - Power Systems with POWER8 Enterprise V1	2015
•	IBM	Certified Technical Sales Specialist - Power Systems with POWER8 Scale-out V1	2015
•	IBM	Certified Specialist - Midrange Storage Technical Support V3	2014
•	IBM	Certified Specialist - XIV Storage System Technical Solutions V4	2013
•	IBM	Certified Solution Advisor - Cloud Computing Architecture V2	2012
•	IBM	Certified Specialist - High Volume Storage Fundamentals V2	2012
•	IBM	Certified Advanced Technical Expert - Power Systems with AIX v3	2012
•	IBM	Certified Systems Expert - High Availability for AIX Tech Support and Administration -v2	2012
•	IBM	Certified System Administrator - AIX 7	2012
•	IBM	Certified Specialist - High-End Tape V6	2012
•	IBM	Certified Advanced Technical Expert - Power Systems with AIX v2	2011
•	IBM	Certified Specialist - High-End Disk for Open Systems V2	2011
•	IBM	Certified Specialist - System x Technical Principles V10	2011
•	IBM	Certified Systems Expert - High Availability for AIX Technical Support and Administration	2011
•	IBM	Certified Systems Expert - Virtualization Technical Support for AIX and Linux - v2	2011
•	IBM	Certified Systems Expert - Enterprise Technical Support for AIX and Linux -v2	2011
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•	IBM	Certificate of Proficiency for AIX V4.2 Installation and System Recovery	1998
•	IBM	Certified Advanced Technical Expert RS/6000 AIX V4 (pre-2000)	1998
•	IBM	Certified Specialist AIX V4.1 System Administration	1997