

WAYNE KIRK SCHMIDT

Skills Registry

Category	Specific Skills
Programming Languages	Python, Bash, Shell, PowerShell, Perl, Ruby, JavaScript, Java, Tcl, VBScript
Development Frameworks	Ruby on Rails, Spring, Bootstrap, Eclipse
Development Platforms	Visual Studio, IntelliJ, Komodo, Xcode, Eclipse
Source / Artifact Control	Git, SVN, CVS, Clearcase, Artifactory, Bitbucket
Testing Products	Selenium, Jenkins, Testrail, Heroku
Operating Systems	Windows, Linux, OSX, Solaris, CentOS
Server Products	HP and Dell blades/servers, Sun Sparc / Intel, IoT, SBC
Storage Products / Protocols	Veritas, Hitachi SAN, Netapp NAS, Samba, NFS, AFS
Virtualization Management	Virtualbox, XenServer, VMware Fusion, Hyper-V
Containers	Kubernetes, Docker, Snap
Cloud Ecosystems	AWS, GCP, Azure, OpenStack
System Build / Administration	Puppet, CFEngine, Chef, Packer, Terraform, Cobbler, Ansible, Podman
CI / CD	Jenkins, GitHub Actions, GitLab CI
CMDB / Asset Modelling	Tivoli, Tideway, Managed Objects, ServiceNow
Workflow Automation	n8n, Shuffle, Power Automate — used for automation and security pipeline orchestration
System Monitoring	Nagios, IpSoft, Prometheus, Grafana, Geneos, Hawk, Monit, Munin, Spectrum
Data Analysis Platforms	Jupyter Notebooks, Sumo Logic, Splunk, Elastic Stack (ELK), Spark, Orange
Data Collection / Correlation	Logstash, Beat products
Network Equipment	Arista, Cisco Catalyst, Cisco 4900M, Cisco Nexus 5/7K, F5
Network Protocols	RIP, EIGRP, BGP, OSPF, IGMP, SNMP v1-3
Network Management	RANCID, Wireshark, Spectrum
Network Analysis Probes	Netscout, Corvil, Snort, Suricata, Self-Built Probes
Time Sync Products / Protocols	Meinberg Devices, PTP, NTP, GPS devices
Naming / Resolution	DHCP, NIS, DNS, Active Directory, QIP
Message Oriented Bus	Tibco Rendezvous, Kafka, RabbitMQ, MQ
Database Technologies	Sybase 11/12, Microsoft SQL Server, MySQL, Oracle, PostgreSQL
Market Data Platforms	NYSE (DFD), Activ, RMDS (P2PS, MDH, DACS), Bloomberg
ML Frameworks	scikit-learn, XGBoost, LightGBM, TensorFlow, PyTorch
ML / AI Libraries	LangChain, LlamaIndex, spaCy, NumPy, Pandas
Agent Frameworks	LangChain, LlamaIndex, Smolagents
LLM Inference	vLLM, Ollama
Micro / Edge Models	Llama, Qwen, SmoLLM
Model Hub	Hugging Face (model pulling and deployment)
Vector Databases / RAG	Qdrant, Chroma, pgvector
Visualization	Matplotlib, Plotly, Dash, Power BI
ML / AI Capabilities	Reasoning architecture design, Adaptive workflow systems, Low-latency ML inference, Edge and federated deployment, Generative AI (LLM, GAN, VAE, RL)

SIEM / SOAR	Splunk, Sumo Logic, Wazuh, Security Onion, Elastic Stack (ELK), n8n, Shuffle
Security Technologies	Tanium, CrowdStrike, Auth0, Recorded Future, Zeek, eBPF, Tripwire, AppArmor, Snort, Suricata, Rkhunter
Firewall Technologies	Checkpoint FW1, Cisco PIX, Palo Alto, iptables, ipchains, ipfilter, Gauntlet
Authentication	Kerberos, TACACS, RADIUS
SAST / Code Analysis	Bandit, Flake8, Ruff, CodeQL
DAST / Fuzzing	Spike, Nikto
Penetration Testing / Recon	Kali Linux, Metasploit, Nmap, Nikto, Shodan
Independent Security Research	HAVEN — adversarial simulation and detection research (see casestudies.changeis.io)
Products / Patents	MORPHOS/9STACK© (patented), Production Perimeter© (acquired by Illumio), BEACON©, NXT RAW©, HAVEN© (independent research)
Governance & Risk	NIST 800, ISO 27000, ISO 31000, COBIT, COSO, SOX
Architecture Frameworks	ITIL, ITOM, Zachmann, PEARF
Service Management	ITSM, ITOA
Delivery Strategies	Agile, Scrum, Kanban, Waterfall, Iterative, TDD, Pair Programming, Continuous Integration
Ticketing Systems	Jira, ServiceNow
Collaboration / Productivity	Confluence, Wiki, SharePoint, Alfresco, Microsoft Office, Kenja, Lotus Notes
Ledgers / Crypto Protocols	Ethereum (primary), Hyperledger, Ripple, Corda, HD Wallet
Large-Scale Data (Exposure)	Databricks, Snowflake, dbt — familiar with concepts, not primary depth
Databases — Familiar	Cassandra, MongoDB, Redis — awareness; primary depth in PostgreSQL, MySQL, Sybase, Oracle