

# Wilson Mar

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"Wilson is like **Master Chief** in the game Halo. He lives on the bleeding edge of tech to help others on the front lines. A modern renaissance man who explains things well. So good he **tunes** what others create." -- from among [37 references on LinkedIn](#)

☞ Certifications: **DevOps Leader**, **SRE**, **SAFe Agilist**, **ArgoCD**; **CompTIA Security+**, **IIBA CCA**, Elastic Configuration & Security; **AZ-900**, **AI-900**, AWS Partner Accreditation, **Azure Security**, **AWS Practitioner**, **MS-900**, **MCP Microsoft Project**, CPIM, PMP, CCMP, **ISTQB Functional & Performance Engineer (CTFL, CTFL-PT)**, ASQ Quality Manager, CQE (Statistics), CQA; Pragmatic Marketing, OMG Certified UML Professional. Microsoft Hackathon at CES 2014 winner.

## Leader and Mentor:

- \* **My LinkedIn** (13,000+)
- \* **Medium** (347)
- \* **My website**
- \* **My GitHub** (A rating 500+ stars)
- \* **My Twitter** (2,200+)

## Video presentations:

- \* **Dev Security**
- \* **Onboarding**
- \* **Machine Learning**

## Deep and Wide Skills:

- \* Experienced at **Linux**, **macOS**, **Ansible**, **OPA Rego**.
- \* Expert **Bash** developer of quick install and use of **Docker** and **DevSecOps** by the **SOC**.
- \* Crafted production-worthy **code in Python** and Golang.
- \* Defined best practice code and docs for global integrators implementing **security scanning**, **HashiCorp Vault** with **Terraform**.
- \* Industry leader at configuration and tuning of **databases** Oracle, **MS-SQL Fabric**, **Snowflake**.
- \* Automated enterprise authentication methodologies for more secure **AWS**, **Azure**, **GCP** clouds.
- \* Certified AWS AI-900, attended Coursera AI, **Machine Learning**, **MLOps**. Studied **Generative AI**, **Quantum**
- \* Early adopter of **Machine Learning** and AI chatbots
- \* Achieved security incident response with CI/CD automation & **Chaos Engineering**.
- \* Held TS clearance at Lockheed Skunk Works and led resilience work on GFEBS SAP.
- \* Taught IT at Los Angeles Air Force Base.

## Principal, Scalability and Resilience AI at Confidential 5/23-present

Led training about **AI development**, **co-pilots**, and **Quantum computing**.

Led measurably improved resilience (time to complete recovery) through organizational change management: differentiated messaging to each job group (executives, developers, managers, security, etc.). Increased adoption of **SOC2** & **FedRAMP infosec controls** through automation that simplified desktop and server configurations to single commands - multi-cloud apps and utilities on macOS (physical, in Azure, GCP, and on AWS).

## Sr. Enterprise (Hands-on) Architect at HashiCorp

4/22-5/23

**Eliminated vulnerabilities (before they are created)** in AWS, Azure, GCP by coding and testing IaC automation that create secure-by-default resources widely used in demos, training, and baselines for production customization.

**Increased customer retention and ARR** by defining how elite consultancies can better install (within **Global 2000 enterprises**) **Zero Trust** software (on-prem and in multiple clouds) -- using **Organizational Change Management** and **CAIQ Q&A** within a **Well-Architected Cloud framework**.

**Reduced time-to-value** by fostering a community to adopt common **Kubernetes Blueprints** and authoring deep-dive videos and tutorials on automating **Vault**, **Terraform**, **Consul**, **Boundary**. Explained coding of **Vault**, **Go**, **Python**, **JavaScript**, **C#/Dotnet**, **Docker**, and **Java/Swing** to generate dynamic credentials using **Vault Cubbyhole** and wrapped secrets.

Popularized use of multi-tool static Terraform scanning for vulnerabilities in automated CI/CD workflows and initiated deep-dive workshops on remediation. Identified and resolved Security issues (signature and

vulnerability scanning, end-to-end encryption, alerts to SOC, etc.) company-wide.

**Strengthened supply-chain defenses** with **verified GitHub commits** and detection of tampered downloads by creating and evangelizing **full-featured shell scripts** to securely **install GPG and creates keys** -- which reduced on-boarding from a **half-day slog to a single operation**.

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## DevSecOps/ML Cloud Architect at McKinsey&Co

8/19-4/22

**Reduced onboarding time** to a single day (for better inclusion and ability to contribute quickly).

**Averted production disasters** by identifying several high vulnerabilities and remediating findings from TFSec, AWS Security Hub, GitHub Dependabot, **SonarQube**, Fortify, **Git Guardian**, JFrog Xray, etc.

**Led introduction of DevSecOps** in ML/MLOps teams through **pen-testing** into production using PACT and ServiceNow with VictorOps. Used are **Kedro**, AWS Comprehend NLP, Sagemaker, Pandas, Drools, Terraform, Kubernetes.

Defined and presented **roadmaps**. Architected a security-driven **migration to cloud of 2,700+ developers across several divisions, in 4 months**. In addition to carefully crafted emails, Slacks, Town Halls, cultural transformations include creating automation, **producing videos (with quizzes)**. New processes instituted include **Git GPG signing**, **secrets scanning**, component analysis, **chaos engineering**, etc. Coordinated integrations with vendors (GitHub, AWS, Azure, CircleCI, Hashicorp, SnapLogic, etc.). Filed 30+ **enterprise feature requests** to vendors.

Pared back a 12TB database 65% after a **deep dive into Docker Registry**, and automation using **Bash** and **Python** with **feature flags**. Automated upgrade of **Ansible** and **Helm** infrastructure pipelines to include metrics visualized by **ElasticStack**, **Prometheus**/Grafana, and **Splunk**. Designed and tested secure custom **self-service portals** through Okta, ServiceNow, and custom APIs of Enterprise GitHub, Jira, Confluence, Artifactory, and other developer utilities.

**Strengthened security** (as Enterprise Admin) by automating upgrade of OS and utilities to latest versions and installing vulnerability scans (JFrog Xray, Trivy, Anchore, Black Duck, Fortify SAST, WebInspect DAST) invoked from IDEs and **Makefiles** in CI/CD pipelines building Java Spring Boot using React, Python, PHP, Ruby, **Go**. Initiated **Hashicorp Vault** and Policy scans with **Terraform Enterprise** and **Packer** in AWS. Integrated logs into Splunk SIEM from AWS & Azure.

Coordinated asynchronous teamwork daily across 3 continents using **pair programming**, **Jira**, **GitHub code reviews**, **git hooks**. Initiated weekly deep dives and skills cert. prep. virtual meetups.

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## DevSecOps/Cloud Performance Manager at JetBloom

8/14-8/19

Led teams to **achieve shift-left** of availability assurance by automating **memory profiling** and metrics capture in Git-triggered jobs in **Jenkins automated cloud-based CI/CD**. Defined proactive use of monitoring and alerts from **Dynatrace**, AppDynamics, Google Analytics, Elastic (ELK) stack, **New Relic**. Designed a **perf engineering in the cloud** approach that saves money using functional and **security** test tools.

Designed roadmaps, timelines, velocity calculations, and process presentations to executives and technical audiences. Used Trello, JIRA, Skype, Zoom, and other collaboration tools. Consistently maintained SCRUM/stand-ups and KanBan as part of **SAFe Agile using CA Agile**. Initiated on-going Communities of Practice meetups among developers and operations. Collaborated in creating videos and **300+ deep-dive articles** written using mark-down for enterprise-level collaboration and training. Crafted and presented step-by-step hands-on **video-augmented** tutorials at conferences on **DevSecOps**, **Git**, **Shell scripting** (building pre-checks and verifications at each step).

Led a team to create tools and tutorials to **restore/load data** using **Salesforce DX**.

Coded **SikuliX Selenium with OpenCV & Tesseract OCR**, JMeter Java, **LoadRunner C & JavaScript**, **Flood Element Typescript**. Constructed JAM-stack websites leveraging **APIs**. Created **DevSecOps** pipelines using **Ansible**, **Packer**, **Terraform**, **Docker** in **Google Compute** and EC2 clouds. Implemented **IoT** in **Amazon**, **Microsoft Azure**, **Samsung**, and other clouds. Designed and coded Python for data-handling and use of **SciPy in an Algorithmia (Machine Learning) API**. Designed and programmed **OAuth2** and **JavaScript** libraries.

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## Lead Developer Advocate/Consultant at HP Software

8/10-7/14

Led teams in India, China, and New Zealand to reduce response time 85%. Assets from the effort are now included in **SAP installers**. **Tuned SAP** at 3 Fortune 100 companies.

Improved responsiveness of mobile conference app by 40% by tuning JVM and logging. Led introduction of Shunra mobile network analytics -- a service that performs like Google's PageSpeed in-house. Established all aspects of evangelism, including architecture and development with vendors around the world. This includes creating **videos** and live presentations at meetups and technical deep-dives. Introduced **Salesforce CRM**. Created environments in AWS, Skytap, and other clouds for testing, automated demos, and hands-on courses (with videos).

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## SRE Performance/Developer with MBO Partners

1/07-8/10

Led international teams to get several enterprise systems into production, with scalability and stability through debugging, **profiling**, and benchmarking. Implemented and evangelized Agile processes, code reviews, static code analysis, and automation. Integrated third-party APIs, SQL, Java, and .NET C# code. Reduced response time spikes and garbage collection by 62% on an app.

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## Prior experience

to 2007

**Managed up to 35 technologists**. Consulting experience with an international consultancy (KPMG). Six-sigma implementation consultant. Obtained Top Secret clearance to design and program systems for the Stealth Fighter at Lockheed Skunk Works. System Admin. Programmed apps using C, C#, Visual Basic, and declarative languages. Pragmatic-certified **Product Manager** of international security product.

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## Highly Educated:

M.S., Educational Computing, Pepperdine University  
B.S., Economics (Computer Science minor), Loyola Marymount University  
237 courses on O'Reilly, Pluralsight, Lynda/LinkedIn, ACloudGuru/LinuxAcademy, CloudAcademy, Coursera, EdX, MasterClass, OpenSAP, **QwikLABs**, **Salesforce Trailhead**, Udacity, Udemy.

**U.S. Citizen** (Fully COVID vaccinated). Experienced at **remote working and world-wide collaboration**. Been to **all 50 US states**, 9 Canadian provinces, Japan, Hong Kong, Macao, Singapore, Australia, New Zealand, Portugal, Spain, Sweden, France, Italy, Germany, Greece, Switzerland, UK, Israel. Visited 58 **UNESCO World Heritage sites**. **Ambivert**.

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