Phil Pennington
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Subject: Resume and Introductions

Please see my resume submitted with this application. A bit more about myself…

I enjoy collaborating with people, building creative solutions, and possess a broad range of skills and interests, including:

- ***Technology Adoptions***: More than 30 years of varied solution development experience with platform technology companies including Motorola, Microsoft, VMware, Apple, and Amazon Web Services. At Microsoft, I served as a Developer Solutions Architect within dozens of technology adoption customer engagements enabling their successful adoption of emerging technologies.

- ***Project Planning***: At VMware, I led a global-scoped project implementing a custom Data Center Infrastructure Management (DCIM) solution. This enabled new business initiatives supporting operational maturation to Data Center as a Service capability. The initiative enabled game-changing data-center operations efficiencies.

- ***People + Process + Technology***: Planning, organizing, developing, and delivering projects within diverse cross-team collaboration scenarios. Analysis of user-role definitions, use-case workflow specifications, and process automation. At Equinix, I led the adoption of SAFE Agile methodologies aligned with the CTO's Objective Key Results.

- ***Stakeholder Communications***: Collaboration with executive sponsors, business managers, and technical leads in complex multi-party engagements supporting new business initiatives. Author of technology roadmaps, on-boarding plans, business proposals, and technology evaluation plans.

- ***Creative Omnivore***: Creative abilities beyond software development including solution discovery, technical writing, technical training, business development, and vendor management.

Your consideration of my candidacy is most appreciated.

Sincerely,

Phil Pennington
USA

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http://PhilPennington.me
https://github.com/UsefulEngines
https://UsefulEngines.github.io/Portfolio

Role History

- **Technical Program Manager**
- **Software Developer**
- **Systems/Sales Engineer**
- **Enterprise Architect**
- **Technology Adoption Lead**
- **HPC/Cloud Solutions Architect**

Skill Areas

- **IaaS, PaaS, SaaS, iPaaS**
- **SQL, Data Warehouse, Data Lake**
- **C/C++, C#, Go, Python**
- **Docker, K8s, DevOps**
- **Linux, Windows, Mac, RTOS**
- **HPC, CUDA, Agentic AI, RAG**

Bachelor of Science in Computer Science, Oklahoma State University
- **NVidia Certified Professional** – AI Infrastructure (pursuing Nvidia Pro Ops and Dev certs)
- **CISSP** - Certified Information Systems Security Professional
- **CSSLP** – Certified Secure Software Lifecycle Professional (Candidate)
- **AWS** - Amazon Web Services Solutions Architect
- **MSFT** - Microsoft Certified Solutions Developer

Founder, Principal Developer   **Useful Engines LLC (current)**
- **Technology Modernization Lead**
  - Entrepreneurial solutions architecture and development services.
  - Enterprise AI Solutions implementation and integration.
  - Nvidia AI Infrastructure, Operations, and Developer services.
  - Technology Adoption Consultation, Evaluation, Planning, and Implementation.

Principal Architect   **Equinix (11/21-12/22)**
- **Integration Domain (iPaaS), Enterprise Architecture**
  - Led the evaluation of next generation iPaaS technologies in collaboration with multiple internal stakeholders and several external vendors.
  - Represented the Enterprise Integrations domain with the Architecture Review Board (ARB) and coordinated cross-domain capability alignment.
  - Defined a next generation iPaaS technology architecture and technology roadmap.
  - Collaborated with Enterprise Program Management to adopt SaFE Agile practices.
  - Led a CIO initiative to enable OKR Management alignment with Agile Workstreams.

Solutions Architect   **Grant Public Utility District (7/19-10/21)**
- **Enterprise applications modernization Technical Lead**
  - Developed and administered an enterprise Data Analytics Platform leveraging AWS, Snowflake, Azure, and M365. Onboarded KPI data-streams from several business units.
  - Led the migration of HR/Payroll business functions from MS Great Plains to a SaaS based Human Capital Management System (HCMS). Coordinated with multiple business groups, stakeholders, and vendor resources. Accomplished the migration on a 90-day schedule.
  - Development of numerous system integrations, reports, and applications.

AWS Solutions Architect   **Amazon Web Services (8/18-7/19)**

- **AWS Partner Ecosystem Technology Adoption Specialist**
  - Enterprise Application Modernization (IaaS, PaaS, SaaS, Containers, Serverless) application developer consulting and training.

DCIM Solutions Architect   **Apple (5/17-7/18)**

- **Data Center Operations and Automation Technical Lead**
  - Designed a data-center warehouse asset management automation solution.
  - Analyzed asset supply-chain operational workflows identifying significant improvements.

DCIM Solutions Architect   **VMware (9/13-5/17)**

- **Global Initiative Technical Lead**
  - Design, development, and operations of a custom global Data Center Infrastructure Management (DCIM) enterprise SaaS solution. The project entails centralized management of 20+ data-center locations supporting 150+ IT (Information Technology) Operations staff-members and hundreds of tenant users. The solution enabled game-changing capabilities and efficiencies.
  - Software development of data center operational workflow automation. Custom application and analytics development supporting various user-roles including Capacity Planner, Reservations Manager, Tenant Manager, Power Manager, and Operations Manager.

Solutions Architect, Enterprise & Cloud   **Microsoft (6/99-9/13)**

- **Windows Server Partner Ecosystem Technology Adoption Specialist**
  - Technical Lead within dozens of enterprise customer and technology partner early-adoption projects. Successful engagements with Executive Stakeholders, Business Development Directors, and Technical Architects.
  - Focused upon Microsoft Azure, Windows Server, Windows HPC Server, and Technical Computing technologies. Developer Community Consultant, Advocate, and Trainer.

Sr. Software Engineer   **Motorola (6/94-6/99)**

- **Advanced Messaging Division**
  - Designed the user-interface sub-system for a paging system network controller. The network controller receives paging data from a custom telecom switch, formats the data for over-the-air transmission, and manages radio frequency simulcast transmission over a wide-area network. Deployed the solution to global paging service providers.
  - Development of RF mobile device configuration and tuning applications. The solutions accomplish use-cases within product engineering, product manufacturing, and paging-provider device management.

Software Engineer   **Telos (6/92-6/94)**

- **US Army Projectile Tracking Radar Systems Engineering**
  - Design of a Naval Tactical Data Systems (NTDS) interface protocol enabling automated testing of radar systems software. This significantly improved testing cycle-time.
  - Development of an interactive 2D graphical prototype radar system operator's console.