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# Adam Marcionek

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## SUMMARY

- Accomplished technology professional with 20 years of experience building and delivering high-impact software, especially in data storage focused disciplines.
- Passionate leader, mentoring cross functional, distributed teams to collaborate and deliver quality, scalable software on time and within budget.
- Curious self starter and tinkerer, diving deep into multiple disciplines to unravel how things work. Adept at staying ahead of industry trends and emerging technologies.

## EXPERIENCE

### **Datto (acquired by Kaseya), Norwalk, CT - *Staff Software Engineer II***

SEP 2021 - PRESENT

- Developed software that runs in backup storage appliances and in distributed web services. Technologies used include PHP, Go, SQL, Kubernetes (AWS EKS), Helm, Kafka, Opensearch, and Ubuntu.
- Overhauled metrics (Prometheus, Datadog) for improved observability and uptime in 5 different web services.
- Upgraded remote access web solution for improved compatibility with newer libraries and increased security. (Ubuntu 16.04 to 20.04)
- Designed and built an asynchronous job processing framework (Temporal, Go) to enhance the user experience when executing out-of-band ZFS data offloading.
- Researched requirements and code/config changes necessary for FIP-140 enablement to expand products into the government compliance market.
- Researched and developed a new platinum service tier offering composed of NVMe drives on high powered servers to achieve faster RTO of virtualizations.
- Enabled newest SMB protocols and signing for improved security.
- Assumed a security champion role for On-Prem and Cloud teams. Analyzed security impacts of tickets, interfaced with pen test/ops teams, CVSS scored vulnerabilities, evaluated bug bounty submissions.
- Provided Tier 4 support for ZFS storage fleet and backup/recovery orchestration services across 6000 servers and 1.4 Exabytes of customer data.
- Mentored junior engineers, guided new hires (Buddy Program volunteer), and conducted interview screens for over 25 software, QA and DevOps engineers.

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**Seven10 (acquired by Congruity 360), North Andover, MA - *Chief Architect & Field CTO, Senior Software Engineer***

MAY 2006 - AUG 2021

- Developed software defined storage solutions on Windows and Linux. Technologies used include Java, C++, C, RabbitMQ, MongoDB, BerkeleyDB, SQL, Windows Kernel, Apache Thrift, Docker, and Ubuntu
- Promoted from junior engineer to senior leadership over a 15 year journey. As the head of engineering, I was responsible for technical direction and execution of Storfirst, a virtual filesystem, migration engine and data management platform.
- Rebuilt the core product from a single process (scale-up) to a distributed (scale-out) architecture. This improved availability and performance enabling Storfirst to be installed in mission critical healthcare environments.
- Design and developed a scale-out migration engine to scan and copy files at line speed. This was built on an asynchronous work engine developed in-house which took inspiration from Kanban as a lean manufacturing process.
- Migrated the primary persistence engine from SQL to BerkeleyDb for a 64-bit addressable namespace enabling massively increased scale to over 2 billion filesystem objects.
- Met with CIOs/VPs of large customer prospects as the primary technical authority to close deals.
- Responsible for engineering budget, management and recruitment.

**Touchstone Software, North Andover, MA - *Software Engineer***

JUN 2002 - MAY 2006

- Engineered PC BIOS updates for improved hardware compatibility. Added 48-LBA support for large drive support (> 128GB.) Created PC driver update tracking software to help end users find updates for their specific systems. This was a SaaS service that could scan PCs for hardware devices and provide downloads to all latest driver updates. Rebuilt customer machines that were bricked from incomplete BIOS upgrades. Technologies used include Perl, C++, C, Assembly, and PHP.

**EDUCATION**

**Saint Michael's College, Colchester, VT - *Bachelor's of Science in Computer Science***

MAY 2002

**INTERESTS**

**Skiing, Biking, Jamming, Jeeping, Gaming & Coaching**