

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.
- 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 varied disciplines to unravel how things work and stay ahead of industry trends and emerging technologies.

SKILLS

Java, PHP, C, C++, Go, MongoDB, NoSQL, BerkeleyDb, SQL, Kubernetes, EKS, Helm, AWS, S3, Azure, RabbitMQ, Kafka, Opensearch, Ubuntu, Linux, Windows, ZFS, Apache Thrift

EXPERIENCE

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

SEP 2021 - PRESENT

- Developed web services running on AWS EKS and Linux system utilities to manage the Datto BCDR Cloud which comprises 5800 bare metal Ubuntu servers containing 1.5 EiB of customer's backup data.
- Added metrics and telemetry to PHP web services using Prometheus and Grafana for improved observability and decreased MTTR.
- Upgraded custom remote access solution (reverse ssh proxy) for improved compatibility with newer libraries and increased application security.
- Fixed service brownouts caused by database load by utilizing SQL optimizations and indexes.
- Designed and built an asynchronous job processing framework PoC using Go with Temporal 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 created a new platinum service tier offering composed of NVMe drives on high powered servers to achieve faster RTO for virtualizations.
- Performed 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.

- Provide Tier 4 support for backup/recovery orchestration services using Opensearch.
- Mentored junior engineers, guided new hires (Buddy Program volunteer), and conducted interview screens for over 25 software, QA and DevOps engineers.

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

MAY 2006 - AUG 2021

- Promoted from junior engineer to senior leadership over a 15 year journey.
- As the head of engineering, responsible for technical direction and execution of Storfirst, a virtual filesystem, migration engine and data management platform that made it easy for 3rd party ISVs to provide business value without having to manage storage.
- Rebuilt the core product from a single process (scale-up) to a distributed (scale-out) architecture using Java, MongoDB, Apache Thrift and Docker. This improved availability and performance enabling Storfirst to be installed in mission critical healthcare environments.
- Created a scale-out migration engine using RabbitMQ to scan and copy files at line speed and reduce costly cutovers to near zero. This was built on a novel asynchronous work engine which took inspiration from Kanban as a lean manufacturing process.
- Refactored 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.

EDUCATION

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

MAY 2002

INTERESTS

Skiing, Biking, Jamming, Jeeping, Gaming & Coaching