

KYLE GRARE

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SUMMARY

Engineering leader with 15+ years of experience spanning hands-on development and technical management across enterprise monitoring, financial services, and virtualization. Currently leading a software engineering organization responsible for product strategy, team development, and delivery of an enterprise-scale platform. Deep technical foundation in C++, Python, and systems programming with dual CS/Math degrees from RPI.

TECHNICAL SKILLS

Languages	C, C++, Python, JavaScript, Java, SQL	Data & Messaging	SQL Server, PostgreSQL, MySQL, RabbitMQ
Platforms	Windows Server, Linux (Ubuntu, Red Hat), Unix (Solaris, AIX)	Tools & Practices	Git, Jira, CI/CD, REST APIs, Agile/Scrum
Virtualization	VMware ESX/ESXi & API, Citrix XenServer, Hyper-V	Domain	Financial trading systems, enterprise monitoring & observability

PROFESSIONAL EXPERIENCE

Vice President of Development September 2016 – Present
Goliath Technologies

- Own the engineering organization responsible for an enterprise-scale monitoring platform — setting technical direction, managing headcount and hiring, and aligning development priorities with business objectives across multiple business units.
- Manage the full SDLC: partner with product management on roadmap and requirements, guide architecture decisions, coordinate QA and release processes, and drive resolution of escalated customer issues.
- Lead cross-functional initiatives to modernize legacy systems, establish CI/CD best practices, and integrate AI-assisted development tools (Claude, Cursor) into engineering workflows to accelerate productivity.
- Mentor and develop engineering talent, fostering a culture of ownership, technical rigor, and continuous improvement.
- Maintain strategic hands-on involvement in architecture reviews and critical backend components (C++, SQL Server, Python) for data collection, real-time analytics, and alerting pipelines.

C++, Python, SQL Server, Git, Jira, Windows Server, REST APIs

Software Engineer November 2014 – March 2016
Bloomberg L.P.

- Developed and shipped enhancements to Bloomberg's Asset & Investment Manager (AIM) — a SaaS platform used by buy-side portfolio managers for trade execution, risk management, and compliance.
- Built low-level server-side C++ services and front-end JavaScript applications running on AIX and Solaris for financial instrument tracking, trade execution, and trade modeling including what-if scenario simulations.
- Integrated multiple Bloomberg data sources into the product using Comdb2 (Bloomberg's proprietary relational database) and created tooling to bridge application software with core infrastructure services.
- Contributed to the team leading platform migration from legacy Bloomberg infrastructure to virtualization and Linux, targeting performance, maintainability, and cost improvements.

C++, JavaScript, Comdb2, AIX, Solaris

Software Engineer June 2010 – October 2014
Unitrends (formerly PHD Virtual)

- Shipped four major releases of a virtual machine backup appliance for VMware, Citrix XenServer, and Microsoft Hyper-V as part of a small, high-output Agile team. Participated directly in customer calls to troubleshoot environment-specific issues.
- Designed and implemented a distributed architecture in C, splitting major functionality across VMs (HTML front end, PostgreSQL database, data protection engine) with RabbitMQ handling inter-process communication.
- Built a VMware API wrapper for Changed Block Tracking (CBT), managing distributed scheduling, job creation, job lifecycle management, and dynamic expansion of VMware containers.
- Developed Windows tooling for Open Virtualization Format (OVF) packaging and VM restores with Event Viewer reporting integration. Created Python code generators for C structure serialization.
- Programmatically managed PostgreSQL databases for task, settings, and job state tracking. Mentored new hires as a senior member of the engineering team.

C, C++, PostgreSQL, RabbitMQ, Ubuntu Linux, VMware API, ESX/ESXi, Citrix XenServer, Hyper-V

EDUCATION

Rensselaer Polytechnic Institute 2008 – 2012
Dual Bachelor of Science in Computer Science and Mathematics