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Profile

A creative & motivated engineer, architect, and leader focused on cloud transformation and containerization projects. With 20+ years of industry experience crossing software development, architecture, DevOps, and executive boundaries, I bring a unique and comprehensive view to any organization looking to migrate to AWS or enhance what they are already doing in the cloud.

I'm an architect and technologist at heart and enjoy leveraging my technical, design, and business experience to help motivated teams define and standardize their approach for success in the cloud. I believe that by standardizing platforms and tools for building software and infrastructure, we can build systems that are lean, scalable, secure by design and convention, and accessible for all developers and DevOps engineers.

Professional Accomplishments

PGi Personally handled operations and development activities for two internally-developed software products with \$17M in combined revenue. This required significant effort to understand code and infrastructure from unfamiliar systems after former teams had already left. Worked directly in Docker, Kubernetes, AWS, Postgresql, Mysql, ActiveMQ, Solr, Zookeeper, PHP, and C#/ .NET including Blazor WebAssembly.

PGi Led cloud cost-saving, simplification, and optimization efforts, resulting in a 35% reduction in cloud spending. Personally developed tools and scripts to automate many of these efforts.

PGi Led multiple globally distributed IT, Infosec, development, and operations teams.

PGi Took over leadership after unplanned CIO departure, working through significant change and restructuring efforts with executive leadership, human resources, finance, and other teams.

PGi Led financial reporting, cost-saving, and business justification activities for 50+ AWS accounts.

PGi Led the team designing PGi's next-gen cloud, network and data center initiatives. With a focus on cloud migration, we were able to shut down 12 data centers and shrink the footprint of 10 others saving millions in capital reinvestment.

PGi Built and led a multi-discipline systems architecture team covering AWS Cloud, Network, Systems, and Audio technologies. Acted as the SME across customer-facing systems and physical and cloud infrastructure platforms.

PGi Designed a network backbone replacement on top of AWS network platform services including Direct Connect Gateway and Transit Gateway. This replaced redundant WAN connections in 10+ data centers in favor of pay-as-you-go fiber interconnects with AWS. Moving from longer-term circuit commitments to pay-as-you-go billing results in savings of hundreds of thousands of dollars per/month.

PGi Worked with board members and executives on product strategy and definition.

PGi Worked directly with international clients and partners to design scalable and fault-tolerant network and technology integrations.

PGi Worked with our M&A team on technical due diligence and acquisition onboarding.

PGi Participated in managing significant vendor relationships and budgets. Worked with vendors to specify and validate cloud product direction and implementation.

PGi Architected and built a solution for transitioning a global collaboration product to the cloud. Leveraged five geo-diverse regions to best serve the customer base. Automated failover, deployments, and scaling to streamline operations. Trained global teams to support the product.

PGi Designed and implemented a large-scale set of web services handling millions of API calls per day in a load-balanced and stateless fashion.

TurboPower Worked as a team-of-one designing and implementing a Linux-based graphical help viewer, editor, compiler, and WinHelp conversion tool.

TurboPower One on a team of three that designed, developed, and shipped a commercial SQL-92 compliant client/server & embeddable database engine used by thousands of ISVs.

TurboPower One on a team of three that developed and shipped a commercial XML DOM and SAX Parser used by hundreds of ISVs.

C.A.T. Systems One on a team of two that designed, developed, and shipped a full inventory and sales system used by 100+ automotive dealerships throughout the midwest.

C.A.T. Systems One on a team of two that designed, developed, and shipped a remote sales system for Bass Pro Shops for their boat dealerships around the US.

Continuous Professional Development

Cloud development I've been developing tools for Amazon Web Services since March of 2006. Primarily built with C#, Cost Management, Best Practices Analysis, Reporting, Storage Abstraction layers, and even a native iPad app for managing Amazon's Route53 DNS service are just some of the tools I've been working on.

Mobile development I've written and shipped many commercial and hobby applications for iOS. I wrote a free app for my local climbing gym just to follow the process from beginning to end. I built a complete mobile commerce application for moolala.com (a Groupon competitor acquired in 2014). Finally, I also built a Bluetooth LE architectural lighting control app for [Kim Lighting](http://KimLighting) under contract for [Arrow Electronics](http://ArrowElectronics).

Technology leadership Consulted with a local bank on technology refresh and knowledge and systems transition processes for key staff members. Worked directly for the CEO to help with vendor selection, technology direction, and information security.

Experience

PGi, SVP Architecture & Engineering Late 2021-Current

PGi, VP Global SaaS Architecture & Engineering 2016-Late Dec. 2021

PGi, Principal Systems Architect 2015-2016

PGi, Systems Architect 2013-2015

PGi, Team Lead, Senior Software Engineer 2006-2013

PGi, Senior Software Engineer 2004-2006

TurboPower Software, Software Engineer II 2000-2004

C.A.T. Systems, Systems Developer 1996-2000

Certifications

AWS, Certified Solutions Architect - Professional — Expires August 2022

AWS, Certified DevOps Engineer - Professional — Expires July 2022

AWS, Certified Security - Specialty — Expires April 2022

AWS, Certified Advanced Networking - Specialty — Expires April 2022

AWS, Certified Big Data - Specialty — Expires May 2022

AWS, Certified Developer - Associate — Expires April 2022

AWS, Certified SysOps Administrator - Associate — Expires April 2022

AWS, Certified Solutions Architect - Associate — Expires March 2022

AWS, Certified Cloud Practitioner — Expires April 2022