



email  
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### Profile

A creative & motivated engineer, architect and leader focused on cloud transformation projects. With 20+ years of industry experience combined with all Professional, and most Specialty AWS certifications, I'm excited to work with motivated teams to migrate platforms large and small into the cloud and I'm motivated to lead migrations to cloud-native serverless and container orchestration platforms.

### Professional Accomplishments

**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 shutdown 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 all customer-facing systems and software platforms.

**PGi** Worked in partnership with finance and procurement to manage our \$7M p/year cloud spend in AWS. Implemented cost saving strategies that significantly reduced cloud spend without risk or product schedule impacts.

**PGi** Designed a network backbone replacement on top of AWS network platform services including Direct Connect 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** Led multiple distributed development and operations teams.

**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 on-boarding.

**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. That same system was later customized for PriorityOne Financial services and is still in use today!

### 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](http://moolala.com) ( a Groupon competitor acquired in 2014). Finally, I also built a Bluetooth LE architectural lighting control app for [Kim Lighting](#) under contract for [Arrow Electronics](#).

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

#### Experience

**PGi, VP Global SaaS Architecture & Engineering** Colorado Springs, Colorado 2016-Current

**PGi, Principal Systems Architect** Colorado Springs, Colorado 2015-2016

**PGi, Systems Architect** Colorado Springs, Colorado 2013-2015

**PGi, Team Lead, Senior Software Engineer** Colorado Springs, Colorado 2006-2013

**PGi, Senior Software Engineer** Colorado Springs, Colorado 2004-2006

**TurboPower Software, Software Engineer II** Colorado Springs, Colorado 2000-2004

**C.A.T. Systems, Systems Developer** Kansas City, Missouri 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