



Peter Y. Xu

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Goal

Peter is looking for a Senior Solution or Enterprise Architect role which leverages his deep expertise in latest GenAI and hybrid multiclouds technologies to enable enterprise's AI tranformation and drive innovtions for customers.

Summary

- 25+ years architectgtural experience in IT industry, with 8+ years in AI/ML, and 12+ years in cloud computing and hybrid infrastructure.
- Industries and domain knowledge in manufacturing, electronics, media, retails and public sectors
- Curious, self-motivated, and a quick learner with strong problem-solving and hands-on skills
- Effective communicator across stakeholders from CxO leadership to engineers, earn trust, build consensus and lead teams to deliver swift and impactful business results.

GenAI Stack Skills

AI Solutions: Microsoft CoPilot/Agent/Studio, Github CoPilot, Amazon Q for Developer/Business/QuickSight, ChatGPT, Perplexity

Managed AI/Agent Platforms: AWS Bedrock/SageMaker, GCP Vertex AI, Azure AI, AnyScale, IBM WatsonX, NVidia AI Enterprise

LLM Moodels: GPT-4o/GPT-o1, Claude 3.5, Gemini 1.5, Llamda 3, Granite 3.0

Managed Data Platforms: Amazone Glue/Redshift/EMR, Databrick, Ray Data, Google BigQuery, IBM WatsonX Data

Agent/DL/ML/Data OSS Frameworks/SDKs: LlamaIndex, LangChain, Swarm, AutoGen, Ray, Hadoop, Spark, TensorFlow, PyTorch

Hybrid Infrastructure: IoT, NVidia Jetson/ROS, Private Cloud, Hybrid Networking

Languages: Python, Java, C#, HTML/JS/TS/React/NextJS, Swift/Kotlin/Flutter, SQL

Experience

Founder and CTO, GenAI.Industries Consulting – Chapel Hill, NC

September 2024 – Present

- GenAI and AI/ML expertise applied to industries and business problems
- Multi-cloud (AWS, Azure, GCP, IBM Cloud) Architecture expertise to optimize IT and solution delivery

Chief Systems Architect/Director, Chamberlain Group – Oak Brook, IL

January 2024 – August 2024

- Guided the overall architecture of the next-gen myQ system, supporting both residential and commercial platforms, including middleware, video platform, firmware, mobile apps, and system interfaces.
- Collaborated with architects, developers, and business stakeholders (Engineering, Product, IT, Marketing, QA, Operations, Customer Service) to translate product requirements into technical specifications, enhancing cross-departmental communication.

- Led the Github CoPilot adoption, Observability and AIOps initiatives

Director, Multicloud Architecture, RCG Global Services – Iselin, NJ June 2023 – December 2023

- Define service offerings in multi-cloud, enterprise architecture and GenAI for large enterprise customers
- Led strategic initiatives within the internal cloud community of practice, promoting cloud adoption and best practices
- Design and delivered initial LLM RAG and Agent PoCs

Senior Solutions Architect, AWS – Chapel Hill, NC November 2021 – June 2023

- Guided manufacturing, media, and public sector clients in architecting secure, resilient, and cost-effective cloud-native solutions using AWS best practices.
- Specialized in Cloud Foundation, Event-Driven Architecture, DevOps, and AI/ML
- Engaged with AWS industry product managers and engineering teams to influence new product direction and features co-developed with customers

Principle Delivery Architect, IBM Consulting Services– Chapel Hill, NC Dec 2020 – November 2021

- Provided overall technical leadership for a team of 80+ domain architects, software and ML engineers, DevOps, and QA engineers in delivering cloud-native, container-based solutions.
- Led the core DevOps team to enhance application reliability, performance, and security, optimizing resource utilization on Azure.
- Guided application teams to redesign and implement cloud-native design patterns and core frameworks, increasing deployment speed by 30%.

Chief Technologist, IBM Electronics Industry GTM – Chapel Hill, NC July 2016 – December 2020

- GenAI and AI/ML expertise applied to industries and business problems

Lead Sales Engineer, IBM Hybrid Cloud - Retail and IoT Solutions – Chapel Hill, NC December 2010 – July 2016

- GenAI and AI/ML expertise applied to industries and business problems

Senior Managing Consultant, IBM WebSphere Consulting – Chapel Hill, NC Nov 2020 – December 2010

- GenAI and AI/ML expertise applied to industries and business problems

Software Engineer, CDI – Chapel Hill, NC May 1999 – November 2000

- GenAI and AI/ML expertise applied to industries and business problems

Publications

- SOA Policy, Service Gateway, and SLA Management - 2013
- Patterns: Serial and Parallel Processes for Process Choreography and Workflow - 2004
- WebSphere Application Server Enterprise V5 and Programming Model Extensions - 2003

Certifications

AWS Certified: AI Practitioner, Machine Learning Engineer Associate, Machine Learning Specialty, Solutions Architect Associate, Solutions Architect Professional, SysOps Associate, Developer Associate, DevOps Engineer Professional, Data Analytics, Data Engineering

GCP Certified: Associate Cloud Engineer, Professional Cloud Architect

Azure Certified: Azure Fundamentals

IBM/Red Hat Certified: Professional Cloud Architect, Openshift Container Platform Specialist, SOA Solution Designer-2007

Open Group Certified: TOGAF Enterprise Architect - 2010

SUN Certified: Java Programmer - 1999

Education

Binghamton University, MS in Computer Science

June 1998 – August 1999

Beijing University, BA in Foreign Language and Literature

September 1991 – May 1996

