Paul S. Lee

Senior Consultant, Application Development

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Dynamic IT professional with expertise in full-stack web development, technical documentation, and end-to-end project leadership. Architected scalable Azure cloud solutions integrating Angular/React front ends with AI-powered, fault-tolerant cloud backends for automated content processing, advanced search, and manage data in Cosmos DB and SQL Managed Instances. Skilled in RAG design, resilient architectures, and delivering high-performance cloud APIs with robust compliance reporting. Rapid adopter of new tech and agile best practices for enterprise-grade results.

Technical Proficiencies

Languages:	C, C++, C#, Python, Azure, ASP.NET, MVC, WebAPI, Core, Angular, React, JS/TS, CI/CD, Bootstrap, Unix Scripts/shell
Application/Software:	Git, TFS, Azure DevOps, WERCS, Aspose, DevExpress™/DevExtreme, SSIS, Crystal Reports, Excel Macro
Database:	Oracle 12c, SQL Servers, Access, MongoDB

Career Experience

Improving   2021 – Present
Senior Consultant, App Developer

AI-powered cloud solutions architected for scale, resilience, and intelligent automation in healthcare and content management.

- Designed and implemented scalable Azure Durable Functions pipelines integrating Azure AI for automated content processing and RAG-based search.
- Built robust AI backend leveraging Azure Functions, OpenAI embeddings, and Cognitive Search for high-performance APIs in natural language search and retrieval.
- Enhanced Angular and React front ends for seamless AI integration, dynamic UI, and optimized user experience with rigorous unit testing.
- Led development of cloud-native solutions—including patient roster automation—leveraging Azure managed services for resilience, compliance, and scalability across a 650,000+ member healthcare network.

Takasago International Corporation, Rockleigh, NJ   2013 – 2021
Software Developer

Refactor in house applications from ASP.NET WinForms to WebForms, then later to Core3 with some of features in Angular. Gather data from Oracle/SQL Server to develop data mining requests. Perform code peer review with team members. Keep extending features to integrate multiple apps within the company to transfer date automatically and robustly.

- Created performance reporting tools and applied GHS compliant shipping label in WERCS.
- Finalized anticipated regulatory and safety tools for various countries' affiliates.
- Architected and maintained an international document generating application.
- Saved many hours and generated 80K+ automated fragrance industry and customer specific regulatory documents with user feedbacks.

Additional Experience

System, Network & IT Manager, Fortune Footwear Inc, NYC
System Software Engineer, Gristedes Food Corporation, NYC
Contract Software Engineer - Unity Project, Schneider Electric Corporation, N. Andover, MA

Education

Bachelor of Science in Mechanical Engineering, Rensselaer Polytechnic Institute, Troy, NY
Certificate in Computer Science, University of Massachusetts, Lowell, MA