

KATIE SHAW

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Profile

Software engineer with 4 years of experience at PwC, currently developing scalable tax technology solutions within a cross-functional team. Skilled in full-stack development, cloud infrastructure, and leveraging generative AI to create intelligent, efficient solutions.

Education

University of Leeds **BSC Computer Science (Digital & Technology Solutions) | 1:1**

Experience

PwC

AI-Enabled Application Developer

August 2024 - Present

- Developed an Azure Function App written in Python that leverages generative AI via the OpenAI API to process and enrich large datasets efficiently.
- Architected a scalable, message-driven workflow using Azure Service Bus to handle high-throughput batch processing of product line items.
- Implemented a semantic retrieval system by embedding textual data and storing vector representations in Azure CosmosDB, enabling relevant context injection for generative AI prompts.
- Integrated with Azure SQL Database for structured output storage, utilising stored procedures for downstream data transformation and delivery.
- Built a Power Apps frontend integrated with Power Automate flows to trigger backend services through HTTP requests, enabling seamless end-user interaction.
- Ensured the solution met performance, reliability, and maintainability standards across cloud infrastructure, AI integration, and frontend components.

Full-Stack Developer – React/Node.js & Cloud Integration

August 2024 – Present

- Full-stack developer on a React/Node.js web application, delivering features across both frontend and backend.
- Implemented complex, domain-specific tax logic within the application layer to support business workflows.
- Deployed and managed the application using Google Cloud Platform (GCP), including data storage and infrastructure.
- Developed an Azure Function App to ingest and transform data from OneSource, integrating it seamlessly into the app's data pipeline.

Google Chatbot Developer

June 2022 – July 2022

- Developed a custom chatbot within Google Chat to automate and enhance team collaboration workflows.
- Implemented features to manage Google Space memberships, including bulk add/remove functionality to streamline workspace administration.
- Created interactive tools such as a polling system and a Google Calendar meeting finder that suggests optimal times based on participants' availability.
- Added functionality to store and retrieve frequently used links, improving quick access to shared resources.
- Delivered a flexible, user-friendly bot experience that reduced manual effort and improved team productivity.

Salesforce Developer

January 2023 – July 2024

- Developed custom applications in Salesforce using Apex to support and enhance internal Risk Management processes.
- Delivered features to streamline how Risk Management teams collaborate, improving alignment and communication with business stakeholders.
- Built scalable, maintainable components to support new workflows, enforce data consistency, and improve cross-team visibility within the platform.
- Worked closely with cross-functional teams to gather requirements, design solutions, and iterate based on feedback in an agile environment.

Product Pricing Analyst

September 2022 – December 2022

- Worked within the Pricing team to support the valuation of PwC's digital assets, ensuring accurate pricing to help recoup internal investments.
- Pioneered the concept for an internal pricing application to automate asset valuation based on key attributes, significantly streamlining a previously manual and time-consuming process.
- Contributed to more consistent, transparent, and scalable pricing practices across the firm's digital portfolio.

Skills

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|---------------------------|---------------------------|
| • Python | • SQL and NoSQL databases |
| • Javascript / Typescript | • Generative AI |
| • React / Node.js | • Databricks |
| • Microsoft Azure | • Agile Methodologies |
| • Power Apps | • RESTful APIs |
| • Power Automate | • CI/CD |