

Paul Levitt - Technical Architect

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Authorized to Work in the US (No Sponsorship Required)

Twenty-six years in software, about half of them as founding architect of Lifion, ADP's no-code platform - where I invented the metadata language and composition engine that let product teams build without touching the plumbing. Along the way I've also become an internationalization expert and shipped regulated payroll systems, accounting products, CRM tools, chatbots, and led cross-functional teams and initiatives across the UK, US and India - whatever the problem needed.

SKILLS

Bold = Expert • Regular = Proficient • *Italic* = Working Knowledge

Architecture & Platform Expertise

Metadata-Driven / No-Code Platform Architecture • **Internationalization (i18n)** • **Localization (l10n)** • Distributed Systems • PaaS/SaaS Platform Design

Languages

Node.js • **JavaScript** • **TypeScript** • **SQL** • **C#** • **VB.net** • **VB6** • Python • Go • Java • *Embedded C#*

Frontend

JavaScript • **React** • **Angular** • **HTML5** • Web Components • Micro-frontend • ASP.net • Dojo • jQuery • *Modern CSS*

Platform & Cloud

Docker • **Redis** • **SQS** • **DynamoDB** • **S3** • **SQL Server** • Postgres • MongoDB • AWS • Lambda • Kinesis • *Kubernetes* • *SOLR*

Methodologies & Leadership

Cross-Functional / Cross-Cultural Team Leadership • **Technical Mentoring** • **Technical Writing** • **Agile** • **Scrum** • **Kanban**

Tools & Platforms

GitHub • **VS Code** • **Bitbucket (Stash)** • **Confluence** • **Jira** • **Jenkins** • Slack • Teams • *Rally*

EXPERIENCE

Consulting

New York, NY - November 2025 to present

Software Engineer, LimeMint.AI - July 2026

- Agentic assisted development of hybrid agent/rules engine for user onboarding

Actress Portfolio Website - September 2025

- Full design and build of Pure HTML, CSS and minimal Javascript website

Founder, Personal Startup - September 2024 to present

- AI assisted and runtime orchestrated no-code enterprise solutions builder

Fractional CTO, OrderSpark - January 2023 to July 2023

- Provided technical designs, guidance and leadership
- Defined roadmap and vision for short, medium and long term features
- Led team of 3 developers in daily stand-ups, code reviews and regular team member check-ins
- Collaborated with the product manager and CEO to ensure a cohesive and consistent message and direction

Sabbatical

New York, NY - August 2024 to October 2025

Career break to focus on family and personal growth, including increased volunteering in local education and an extended stay in the UK supporting family through a health recovery.

Technical Architect - Lifion by ADP

New York, NY - January 2018 to July 2024

Architectural direction and roadmap for a global no-code HCM platform, leading multiple teams and cross-functional initiatives. Focus on platform internationalization, search and authentication performance, conversational interfaces, and micro-frontend integration across a large product portfolio.

- Integrated MyADP's Things To Do micro-frontend and enhanced internal API's, centralizing task management from multiple ADP products, whilst enabling rich user interactions for Lifion's tasks (*Nodc.js, React v16, Angular v17, GoLang*)
- Guided cross-functional product & platform teams on localization capabilities and usage; ensuring Lifion can correctly process data for all of ADP's 140 operating countries
- Built a Translations Management System, enabling product to self-manage supported languages and automate the physical translation of string resources (stored in either metadata and code)
- Developed a self-service system for sales teams to manage demo client databases, transforming the prospective client presentation process from single-instance limitations to multiple concurrent
- Contributed to the development of ADP Assist's initial implementation in ADP Mobile, providing a unified request/response schema allowing a single chatbot-like end user interaction across multiple disparate ADP solutions.
- Created metadata driven Chatbot solution for product teams to build conversations appropriate to their domain; for example, "Book time off" for the Time & Attendance team(s). Accessible via multiple channels (Text messages, voice assistants, Messenger, etc.) including integration with MyADP's Assist chat infrastructure providing access to functionality from other ADP products (*Nodc.js, AWS Lambda, SS and DynamoDB*)

Technical Architect & Co-founder - Lifion by ADP

Bristol, North Somerset, UK - February 2010 to December 2017

Founding technical architect, scaling the platform and its engineering teams across the UK, US and India. Owned the metadata architecture, the internationalization foundations, and the extensibility model. Member of the enterprise architecture committee contributing to company-wide initiatives.

- Spearheaded internationalization initiative; delivered multiple modules enabling formatting of culturally-aware data covering 283 regions (*Nodc.js*)
- Invented unified metadata superset - "DNA" - replacing disparate metadata type structures under single DSL, and replacing multiple type-specific services, streamlining platform operations through a unified compiler (*Nodc.js*)
- Created data-structures and algorithms for layering metadata, providing flexible and deterministic localizations, cross-feature integrations, client customisations, and more (*Nodc.js*)
- Created metadata types and services enabling the drag & drop design of business rules, enabling validations, computed data and UI interactions, removing the need for custom frontend JavaScript and most backend plugins, which in-turn facilitated near cost-less upgrades of clients with customizations (offered free by SLA) (*C#, JavaScript, SQL Server*)
- Contributed to conceptual, logical and physical data models for ADP's "Global Person" initiative, enabling better cross-region data integrations, cross-employment history, reducing background-check costs, durations and increasing employment statistics data accuracy (used by US & other government agencies)
- As part of ADP's Enterprise Architecture committee, contributed to multiple conceptual designs for future company wide initiatives and investigations
- Delivered functionality providing pluggable data sources providing metadata driven integrations with internal/external systems, for example; Providing clients access to internal metadata capabilities for self-service customisation, and embedding data from external REST API's systems (*VB.net, C#*)

Software Engineer, Core Architecture - Vizual Business Tools PLC

Worle, Somerset, UK - November 2007 to February 2010

Low-code platform engineering and HCM product features built on top of it, including extensible workflow design and processing, and automated documentation generation from product metadata.

- Design, development and support of a low-code platform used to build Human Resource Management products (*VB.net, C#, SQL Server, JavaScript, ASP.net, jQuery*)
- Architected and implemented extensible workflow design and processing capabilities in our low-code platform, enabling customizable business processes and enhanced system flexibility (*C#*)
- Developed automated system to generate documentation from product metadata, streamlining knowledge management and reducing documentation overhead (*VB.net*)

Research and Development Director - Benchmark Software Ltd.

Street, Somerset, UK - July 1998 to November 2007

Joined as a placement student in the third year of a sandwich degree and was appointed to the board by the end of it, continuing full-time through my final year. Responsible for accounting, payroll, CRM and bespoke client solutions across the UK and Ireland – including taking both a statutory HMRC-filing payroll product and a CRM from zero to release, and working with clients directly from requirements through implementation.

- Ownership and technical oversight of multiple core ledgers and add-ons including the Nominal ledger, Credit control, Sales Order Processing, Purchase Order Processing, Sales Quotes and Job Invoicing (*Visual Basic 6, C++, Embedded C#*)
- 0 to 1 development and management of UK Payroll solution, full legislative HMRC compliant online filing of employer & employee TAX and National Insurance contributions. Fully integrated with accounting & bookkeeping products (*VB.net & C#, Crystal Reports, REST API's*)
- 0 to 1 development and management of Customer Relationship Management solution; Initially an internal tool for our Support and Sales team members, later released as new product offering (*Visual Basic 6, Crystal Reports, telephony, REST API's*)
- Frequent communication with clients, both prospective and existing. From onboarding, installation and training of existing solutions; to requirements gathering, solutioning, design, quotations/bill of quantities, and implementation of bespoke solutions.

EDUCATION

Bachelors of Science in Software Engineering

University of the West of England - Bristol, North Somerset, UK
September 1996 to July 2000

PATENT

Dynamically composing products using capsules - [US Patent # US-10558436-B2](#)

Issued February 2020

"A method and apparatus for dynamically composing applications is presented. A computer system identifies a set of parameters based on user input. The computer system then activates a portion of a plurality of capsules stored in a data storage to form a set of activated capsules based on the set of parameters. Further, the computer composes an application in real-time using a base capsule and the set of activated capsules in which the application is specifically tailored for a particular state. The application and the plurality of capsules take up a reduced amount of memory space."

VOLUNTEERING

- **Volunteer, K-280 Pre-K Parent Advisory Committee** Brooklyn, NY 2024 - 2025
- **Parent Liaison, PS-10 Extended Day Executive Board** Brooklyn, NY 2025 - 2026
- **Communications Secretary, PS-10 Extended Day Executive Board** Brooklyn, NY 2026 - Present