

David Parry

PRINCIPAL ARCHITECT

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Principal Architect with more than 25 years designing enterprise software, cloud platforms, and mission-critical systems. Combines hands-on architecture with cross-team leadership, executive communication, and developer education. Current focus includes production AI systems, agent interoperability, governance, security, and software quality.

Architecture and Leadership

Enterprise and cloud architecture, platform modernization, distributed systems, technical strategy, architecture reviews, team mentoring, stakeholder alignment

AI agents and software quality, MCP and A2A interoperability, deterministic guardrails, code review, test-driven development, Java and Spring, AWS and Azure

Professional Experience

Qodo | Principal Architect | Current role

Architects enterprise AI systems with attention to governed agent orchestration, reliability, security, and measurable outcomes. Communicates architecture and engineering practice through technical writing, conference talks, and hands-on workshops on MCP, agent interoperability, AI-assisted code review, and test-driven development.

Lexipol | Principal Software Developer | June 2020 to 2024

Reassessed a delayed rewrite of the flagship product and the integration of acquired products and teams. Presented architecture findings and a revised approach to the executive team and board, which adopted the recommendation.

Led implementation of the new approach, established an engineering team and development practices, and guided delivery on AWS using container, serverless, messaging, and data services.

USAA | Lead Software Developer | January to June 2020

Filled a technical leadership gap, established engineering governance, and coordinated microservice dependencies across teams. Helped define service contracts and internal service-level expectations for a replacement design.

First Aware | Principal Software Developer | March to October 2019

Designed an Azure-based safe-building platform that ingested events from web endpoints, MQTT, message brokers, and CoAP. Built a rules-based inference and notification flow, and prototyped a connected exit-sign device.

Mutualink | Principal Software Engineer | September 2015 to February 2019

Led a reusable Java component shared by Android, JavaFX, and Spring Boot applications, supporting faster redesign across three products and meeting public-safety security and usability requirements. Mentored engineers through pairing, design reviews, and technical sessions.

Designed a cloud service layer around a legacy edge application, creating a path for third-party integrations and new service offerings.

Earlier experience | OleMedia, Accenture, and prior roles

At OleMedia, designed an Android-based mobile TV platform and its client-server integrations. At Accenture, contributed to architecture, performance, accessibility, engineering governance, and delivery for HealthCare.gov and Covered California.

Speaking and Workshops

Talks and workshops at Commit Your Code, swampUP, AI DevSummit, ÜberConf, JavaOne, Jfokus, KubeAuto, Cloud Native Rejekts, ODSC AI, QCon, JConf, AI Engineer World's Fair, Devnexus, CodeStock, DeveloperWeek, Arc of AI, AI 4 Devs, and AI User Conference. Repeat appearances: Commit Your Code, AI DevSummit, Jfokus, ODSC AI, QCon, JConf across countries, Devnexus, and DeveloperWeek across cities. Led workshops at AI Engineer World's Fair.

Education and Certifications

Bachelor of Science in Computer Information Systems, DeVry Institute of Technology, 2000, summa cum laude.

Oracle Certified Specialist (OC0912110); Oracle WebCenter Portal 11g Certified Implementation Specialist; Sun Certified Programmer for the Java 2 Platform 1.4 (310-035); Sun Certified Web Component Developer for Java EE; Spring Certified Professional (2022); AWS Certified Solutions Architect Professional (previously held, November 2022 to November 2025).