

Arvind Kapse

Expert Technology Leader, Solution and Platform Architect

SUMMARY

- Technology leader, Solution Architect, hands-on builder, and founder with 25+ years of experience designing and building software products and platforms across Agentic AI, cloud, automation, and workflow orchestration, Agentic AI, LLM orchestration, workflow automation, SaaS, and cloud platforms.
- Hands-on Solution Architect, CTO, Founder, Principal Architect, and Developer specializing in Agentic AI, LLM orchestration, workflow orchestration, durable execution, cloud architecture, distributed systems, and product platforms.
- Worked at startups and enterprises (IBM, Automation Anywhere, Stanford University)

TECHNICAL SKILLS

Main Technical Skills	Agentic AI (1 yr.), Java (25 yr.), Python (5 yr.), AWS (5 yr.)
AI Tools & Assistants	Claude (1 yr.), Cursor (1 yr.)
Programming Languages	Java (25 yr.), Python (5 yr.), Temporal (1 yr.), TypeScript
AI & Machine Learning	AI/ML, Claude (1 yr.), Computer Vision (3 yr.), LangChain (1 yr.), LangGraph (1 yr.), ML Kit (1 yr.), NLP (5 yr.), OCR (5 yr.), OpenAI (1 yr.), OpenCV (1 yr.), Pinecone (1 yr.), RAG
JavaScript Frameworks	Angular (3 yr.), React
JavaScript Libraries and Tools	Dojo Toolkit (2 yr.)
Python Frameworks	FastAPI (1 yr.)
.NET Platform	Identity Server (2 yr.)
Mobile Frameworks and Libraries	Ionic (3 yr.)
Salesforce Ecosystem	SalesForce Workflow (5 yr.)
Java Frameworks	Spring (10 yr.), Spring Boot (10 yr.)
Data Analysis and Visualization Technologies	Fluentd (3 yr.), Kibana (3 yr.), ML (5 yr.), UiPath, UiPath Apps (2 yr.), UiPath Studio (2 yr.)
Security	RBAC (1 yr.)
Databases & Management Systems / ORM	Bigtable, Cassandra (3 yr.), Elasticsearch (3 yr.), IBM DB2 (2 yr.), Memcached (3 yr.), MySQL (3 yr.), Oracle Database (5 yr.), PostgreSQL (2 yr.), SQL (2 yr.)

UI Frameworks, Libraries, and Browsers	Ajax
Cloud Platforms, Services & Computing	AWS (5 yr.)
Amazon Web Services	AWS API Gateway, AWS Bedrock (1 yr.), AWS EC2
Azure Cloud Services	Azure Application Insights (2 yr.)
Industry Domain Experience	SAAS (10 yr.)
Web/App Servers, Middleware	Apache HTTP Server (3 yr.), Apache Tomcat (5 yr.), JBoss, Oracle WebLogic Application Server
SDK / API and Integrations	API, AWS API Gateway, FastAPI (1 yr.), OAuth (1 yr.), RESTful API (15 yr.)
Third Party Tools / IDEs / SDK / Services	AppCenter (2 yr.), Cursor (1 yr.)
Platforms	Automation Anywhere (2 yr.), Camunda (1 yr.), RPA, SAP (1 yr.), UiPath
Methodologies, Paradigms and Patterns	Distributed systems (10 yr.), microservices architecture (10 yr.), REST
Virtualization, Containers and Orchestration	Docker (5 yr.), Terraform (1 yr.)
Deployment, CI/CD & Administration	Jenkins
Message/Queue/Task Brokers	Kafka (3 yr.)
Mail / Network Protocols / Data transfer	LDAP (2 yr.)
Operating Systems	Linux (5 yr.)
QA, Test Automation, Security	QA Automation (1 yr.)
UiPath	UiPath, UiPath Apps (2 yr.), UiPath Orchestrator (2 yr.), UiPath Studio (2 yr.)
Other Technical Skills	Cloud platforms, Coupa (1 yr.), Illustration and icons (1 yr.), LangSmith (1 yr.), LLMs, Modular Architecture, Oracle 9i, OSGi (1 yr.), RCA, Spinnaker, Sybase ASE (3 yr.)

WORK EXPERIENCE

Solution Architect - Confidential AI/Technology Company (NDA Protected) (Multi-tenant Enterprise Workflow Platform with Agentic AI)

Duration: Jan 2026-present



Summary: Architected a multi-tenant enterprise workflow platform on Temporal with an embedded Agentic AI layer for durable LLM reasoning and AI-driven workflow orchestration, enabling scalable and reliable AI workflow automation.

Responsibilities:

- Architected and developed the platform including AGENT_TASK, a declarative LLM workflow step.
- Designed pluggable AI provider architecture for multiple LLM providers.
- Built durable AI execution isolating non-deterministic LLM I/O.
- Owned CI/CD and AWS infrastructure with Terraform-managed deployments.
- Accelerated product delivery using AI-assisted development tools.

Technologies: Temporal, Agentic AI/LLM, Java 21, Spring Boot, AWS ECS, Terraform, Anthropic Java SDK, Bedrock-compatible inference gateway, OpenAI-compatible APIs, OAuth2, React 19, TypeScript, Docker, CI/CD, Cursor, Claude, Spec Kit

Principal Architect - LiveHop (Multi-agent AI Platform for Insurance Claims)

Duration: February 2025-Dec 2025

Summary: Architected and deployed a scalable multi-agent AI platform combining AI agents, workflow orchestration, document intelligence, and RPA to automate insurance claims intake and processing, improving efficiency and accuracy.

Responsibilities:

- Led discovery sessions and workflow analysis to identify bottlenecks.
- Built end-to-end AI and workflow automation pipelines integrating AI/ML agents, RPA, and workflow engines.
- Collaborated with business teams to align technical strategy with operational goals.

Technologies: LangGraph, LangSmith, LangChain, OpenAI LLMs, Python, FastAPI, Camunda, UiPath, Automation Anywhere, REST APIs, OCR/NLP pipelines

MangoDoc Inc.

RPA Architect (Procurement Intake & Orchestration) - MangoDoc Inc. (AI-enabled Workflow Orchestration Platform for Procurement)

Duration: January 2024-January 2025

Summary: Architected an AI-enabled workflow orchestration platform for procurement intake, supplier onboarding, risk assessment, and approval workflows, significantly reducing procurement cycle time.

Responsibilities:

- Developed modular architecture using UiPath Studio, Orchestrator, Apps, and Action Center.
- Led integration with ERP systems (SAP, Coupa) and supplier risk platforms.
- Established KPI monitoring and operational dashboards with UiPath Insights.

Technologies: UiPath Studio, UiPath Orchestrator, UiPath Apps, UiPath Action Center, UiPath Insights, REST APIs, SAP/Coupa Connectors, SQL



Solution Architect - MangoDoc Inc. (Secure Enterprise RAG Platform with RBAC)

Duration: January 2023-December 2023

Summary: Architected a secure enterprise Retrieval-Augmented Generation (RAG) platform with role-based access control for advanced document querying and knowledge retrieval, improving user productivity.

Responsibilities:

- Served as trusted technical advisor to C-suite aligning product and technology strategy.
- Integrated Petal.org vector store and built custom UI.
- Conducted Proofs of Concept on emerging RAG technologies.

Technologies: Python, React, AWS, REST APIs, Docker, Pinecone, PostgreSQL

Founder & CTO | Principal Architect - Zipphy Inc. (Document Intelligence Technology Platform)

Duration: December 2019-December 2022

Summary: Founded and built a document intelligence technology company, delivering scalable microservices and ML/NLP models for high-throughput document processing and claims automation.

Responsibilities:

- Owned end-to-end technology decisions across architecture, engineering, ML, infrastructure, and delivery.
- Designed scalable microservices with Docker, REST APIs, and MySQL.
- Built ML/NLP models achieving high accuracy and optimized AWS infrastructure for cost and scale.

Technologies: Java, Spring Boot, MySQL, Angular, Ionic, AWS EC2, Docker, REST APIs, NLP, Computer Vision, ML

Enterprise Solutions Architect - Automation Anywhere Inc. (Modular Automation Platforms and IQBot Integration)

Duration: December 2018-December 2019

Summary: Architected modular automation platforms and led IQBot integration in Intelligent Document Processing workflows for invoices and claims globally, reducing infrastructure costs and improving automation accuracy.

Responsibilities:

- Architected modular automation platforms using Java OSGi.
- Led IQBot integration in IDP workflows.
- Directed ML/NLP/OCR teams for classification and extraction models.

Technologies: Java, OSGi, Automation Anywhere A2019/IQBot, REST APIs, Python, OpenCV, NLP, OCR



Architect - Stanford University, Highwire Inc. (BenchPress Authoring Platform Modernization & SaaS Transformation)

Duration: August 2012-November 2019

Summary: Transformed a 72-node WebLogic monolith into a Spring-based SaaS microservices platform, reducing infrastructure costs and enabling zero-downtime migration of editorial and workflow systems.

Responsibilities:

- Modernized platform architecture to microservices.
- Engineered zero-downtime migration to Java services and REST APIs.
- Eliminated WebLogic licensing costs.

Technologies: Java, Spring, Tomcat 8, Sybase ASE, Memcached, Apache HTTPD, DTL, REST APIs

Architect - Stanford University, Highwire Inc. (Observability & Platform Engineering - Log Analytics Platform)

Duration: August 2012-November 2019

Summary: Built a unified log analytics platform aggregating telemetry from over 100 servers, reducing root cause analysis time and storage costs through real-time observability pipelines and log compression.

Responsibilities:

- Developed real-time observability pipelines with Fluentd, Kafka, Elasticsearch.
- Defined scalable telemetry and logging standards.
- Reduced RCA time and storage costs significantly.

Technologies: Fluentd, Kafka, Elasticsearch, Kibana, Tomcat 8, REST APIs, Cassandra, Linux, Apache HTTPD

Senior Software Engineer - IBM Software Labs (Tivoli RBAC, SoD, and User Provisioning)

Duration: February 2009-June 2011

Summary: Delivered scalable role-based access control, segregation of duties, and user provisioning features in IBM Tivoli, improving security and reducing helpdesk tickets.

Responsibilities:

- Developed RBAC, SoD, and user provisioning modules.
- Integrated DB2, Oracle, and LDAP for identity synchronization.
- Improved UI flows for access request and approval.

Technologies: Java, Spring, DB2, Oracle, LDAP, Dojo, Workflow Engines, Identity APIs

Project Lead - Notable Projects / Ekartea (Alice Metadata-driven iPaaS Platform)

Duration: November 1997-January 2009



Summary: Architected and built 'Alice', a metadata-driven integration platform as a service (iPaaS), accelerating SaaS integration delivery and enabling rapid application development across business units.

Responsibilities:

- Architected and developed metadata-driven multi-tenant platform.
- Designed Bigtable-style columnar storage on Oracle 9i.
- Led Agile delivery and mentored engineering teams.

Technologies: Java, Oracle 9i, JBoss, Dojo, AJAX, Metadata Frameworks, REST APIs

