Shashank Pal

Senior Product Engineer & Architect - AI & Cloud Platforms

shashankpalwork@gmail.com | +91-7080427827 | Noida, India

SUMMARY

Senior Product Engineer and Architect with 7+ years of experience building and scaling cloud-native, AI-enabled platforms across AWS and GCP. Specializes in distributed systems, multi-tenant architecture, AI agents, MCP-based tool orchestration, LLM-powered applications, and platform modernization. Combines deep infrastructure engineering experience with product architecture ownership across platform design, delivery, evolution, operational readiness, and engineering leadership.

PROFESSIONAL EXPERIENCE

GlobalLogic, *Senior Product Engineer* 02/2023 – Present | Noida, India

- Led the platform's evolution from AI-powered features to an AI-native architecture by designing MCP-based AI agents and tool-driven workflows for learning, hiring, content ingestion, and platform orchestration use cases.
- Owned end-to-end delivery of an AI-powered Learning Experience Platform (LXP) on GCP, covering architecture design, infrastructure provisioning, and deployment readiness for scalable, reliable operations.
- Architected and implemented an end-to-end video-on-demand (VOD) pipeline for the LXP, covering ingestion, encoding, storage, and delivery, improving playback latency by ~60% and reducing content delivery costs by ~90%.
- Engineered an AI-powered SCORM ingestion pipeline using frontier AI models to convert uploaded SCORM packages into native platform courses, reducing content migration time from 2-3 days to under 10 minutes.
- Built and deployed AI agents on Gemini Enterprise (Google Agentspace) for learning role-play simulations and hiring interview evaluation workflows, enabling adaptive, context-aware experiences across learning and recruitment workflows.
- Implemented native SCORM and cmi5 support with xAPI tracking integrated into an LRS, plus standardized APIs for third-party content and progress sync across the learning ecosystem.
- Designed and built a skill taxonomy and skill graph from the ground up, mapping 10K+ skills to power career pathing, gap analysis, and personalized recommendations.
- Led security, legal, and compliance reviews across the platform delivery lifecycle, establishing standards for regulatory readiness and risk mitigation.
- Mentored 5+ engineers and led day-to-day technical execution, improving design quality, delivery velocity, and engineering practices across AI and platform initiatives.

Infosys, *Specialist Programmer* 07/2018 – 02/2023 | Bengaluru, India

- Architected and optimized platform components on AWS to support 2M+ assessments per month and 200K concurrent assessment takers for remote hiring at scale.
- Built cloud-based sandbox environments for remote hiring and hands-on practice, enabling on-demand provisioning of complex environments at scale and improving assessment-platform throughput.
- Engineered a high-throughput, sandboxed code-execution and compilation engine processing 20M+ submissions per month, with secure and reliable handling of untrusted workloads.
- Designed and implemented multi-tenant platform capabilities supporting 40+ enterprise tenants, including OAuth-based authentication flows with Keycloak, tenant-specific behavior, configuration isolation, and extensibility.
- Established centralized reporting and observability foundations to improve compliance visibility, operational monitoring, and incident-response readiness.
- Mentored 3-4 junior engineers and interns, leading technical execution, code reviews, design discussions, and engineering best practices across platform initiatives.

EDUCATION

Bachelor of Technology in Computer Science and Engineering, 2014 – 2018 | Kanpur, India
Pranveer Singh Institute of Technology

SKILLS

- GCP
- AWS
- Docker
- Linux
- MCP
- Agentic Workflows
- LangChain
- LLM Integration
- AI-Native Platform Design
- System Design
- Distributed Systems
- Microservices
- Terraform
- CI/CD
- Nginx
- Kafka
- Multi-Tenant Architecture
- Event-Driven Systems
- Python
- Spring Boot
- Keycloak
- OAuth 2.0
- MongoDB
- Redis
- ELK
- Grafana
- Prometheus
- Loki
- Claude
- Codex
- Cursor
- Gemini Enterprise

AWARDS

Support Pillar Award, *GlobalLogic*

Spot Award, *GlobalLogic*

Mysore DC Most Valuable Performer, *Infosys*

Insta Award, *Infosys*