

Robin Singh

Senior Software Engineer · Backend, Integrations & AI Systems

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SUMMARY

Software engineer with 6+ years building backend, integration, and AI systems, mostly in Go, Python, and TypeScript on GCP and AWS. Spent three years at Vimeo as lead engineer for the integrations team, shipping CRM, meeting-recording, and live-streaming integrations and building an AI copilot, MCP servers, and a Temporal-based automation engine. Now co-founder of Poplitu, an AI marketing and automation platform, and part-time at Mercor writing tasks that evaluate AI coding agents.

EXPERIENCE

Poplitu

2025 – Present

Co-founder & Engineer

Co-founded an AI marketing and automation platform spanning lead capture, email, social publishing, workflow automation, AI assistance, and integrations.

- Built the AI copilot and agents with LangGraph, LlamaIndex, and MCP: tool calling behind human approval gates, retrieval on pgvector, evaluated with RAGAS, Langfuse for LLM observability, and failover across OpenAI, Anthropic, and Google.
- Built the automation engine: multi-step workflows with triggers, AI steps, and human approvals, run durably on BullMQ, Temporal, and n8n so a run survives restarts, deploys, and slow external APIs.
- Built the integration and event layer: 60+ integrations across CRM, social, messaging, email, and storage, Go (Gin) services for webhook and event ingestion, and Kafka for event streaming.

Mercor

Mar 2026 – Present

AI Engineer (Part-time)

Remote

Evaluating AI coding agents with verifiable software engineering tasks.

- Author software engineering tasks on the Harbor framework, each with a containerised environment, a reference solution, and tests that decide pass or fail.
- Run AI agents against the tasks and review each run for correctness, reliability, tool use, and code quality, with a written analysis of what went wrong.
- Review other contributors' tasks and write grading rubrics.

Vimeo

May 2023 – Apr 2026

Senior Software Engineer

Lead engineer on Vimeo's integrations team.

- Led the team's work from product requirements to production: ran discussions with product and other teams, wrote the technical design docs, broke the work into estimated tickets, and coded alongside the team.
- Owned the team's integrations in production: monitoring, on-call, technical issues, and customer escalations.
- Built CRM sync (Salesforce, HubSpot, Marketo, Zoho), meeting-recording auto-archive for Zoom, Webex, Microsoft Teams, and Google Meet on Go (Gin) services, and live simulcast to YouTube, LinkedIn, and Facebook, on OAuth 2.0 and event-driven services. Reduced manual workflows by ~95%.
- Added cloud-storage import and integrations with X, Instagram, Slack, Google Sheets, Dropbox, Telegram, and Discord.
- Shipped the Salesforce integration as a second-generation managed package (auth app, custom objects, custom fields) approved by Salesforce; owned the discussions with Salesforce's team, the follow-up fixes, customer onboarding, and on-call support.
- Developed an AI copilot for video creators covering social post generation, video Q&A, analytics insights, semantic search, and tool-driven actions, using FastAPI, RAG and vector search, ClickHouse, and Redis.
- Created MCP servers and the end-to-end plugin and tool integration flow that exposes Vimeo's platform capabilities to AI agents through standard tool discovery and execution.
- Built an n8n-style visual flow builder and execution engine for multi-step automations, using Temporal for durable, long-running orchestration.

Full-stack work on the Internshala Trainings platform in React, TypeScript, and Node.js, with backend services in PHP, Java, and Python. Promoted from Software Engineer in July 2022.

- Built a coding platform end to end in React and Node.js, increasing user engagement by 30%.
- Built payment and automation systems, including a payment gateway adopted by 70%+ of users and tooling that cut campaign setup time by 60%.

SKILLS

Languages	Go, Python, TypeScript, JavaScript, Java, PHP, SQL
Backend	Gin, FastAPI, NestJS, Node.js, Express, Django, Spring, REST APIs, Microservices, Event-driven systems, OAuth 2.0, Webhooks
AI	LLM agents, RAG, Vector search, Embeddings, Reranking, LangGraph, LangChain, LlamaIndex, CrewAI, MCP, Langfuse, RAGAS, Agent evaluation, Context engineering
Data	PostgreSQL, pgvector, MySQL, MongoDB, Redis, ClickHouse, Firebase
Messaging & workflows	Kafka, Pub/Sub, BullMQ, Temporal, n8n
Cloud & DevOps	GCP, AWS, GKE, Kubernetes, Docker, Terraform, CI/CD
Frontend	React, Next.js

AWARDS

- Vimeo Director's Cut Award and Pat on the Back Award
- Competitive programming: CodeChef global rank 67 (November Long Challenge), Codeforces Specialist, ICPC participant, HackerRank problem-solving recognition

EDUCATION

B.Tech, Computer Science & Engineering, Lovely Professional University, Punjab	2017 – 2021
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