

# Rahul Gupta

Senior Software Engineer · Solutions Architect · Agentic AI

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## PROFESSIONAL SUMMARY

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Software engineer and solutions architect with 6 years of experience designing distributed, event-driven systems on AWS and Oracle Cloud. Tech lead behind multiple enterprise-grade products adopted across BFSI and NBFC customers, spanning API management, agentic AI, IT compliance, patching automation, and AIOps. Focused on the intersection of cloud-native microservices at scale and embedding LLM-powered capabilities into production platforms.

## CORE EXPERTISE

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**Product Engineering** · **Solutions Architect** · **Agentic AI** · **Application & Cloud Modernization**

## TECHNICAL SKILLS

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**Architecture:** Microservices Architecture, Event-Driven Architecture, Serverless Architecture, Service Mesh, Domain-Driven Design

**Cloud & Infra:** AWS, OCI, Docker, Kubernetes (EKS/OKE), Terraform, Ansible

**Backend:** Node.js, Express.js, TypeScript, JavaScript, REST, WebSockets

**Frontend:** React, Next.js, Tailwind, ShadCN, HTML/CSS

**Data & Messaging:** Kafka, RabbitMQ, Redis, PostgreSQL, MySQL, MongoDB, Elasticsearch, OpenSearch

**API & Integration:** AWS API Gateway, Google Apigee, Kong

**AI / ML:** LangchainJS, RAG, Vector Databases, Agentic AI, MCP, AWS Bedrock AgentCore, OpenAI, Anthropic, Gemini

**DevOps:** Git, CI/CD, Observability, Log Management, SSO (OIDC, SAML 2.0, LDAP)

## PROFESSIONAL EXPERIENCE

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**Applied Cloud Computing** — Tech Lead — Product Engineering & Solutions Architecture

*Sep 2021 – Present*

- Architect and lead engineering for multiple enterprise products spanning API management, agentic AI, IT compliance automation, patching, and AIOps — now operated by 10+ software and 20+ support teams.
- Design distributed, event-driven microservices on Kubernetes (EKS/OKE), with Kafka/RabbitMQ pipelines and API gateways handling millions of requests.
- Integrate LLMs into cloud-native platforms: inference endpoints, agentic workflows, RAG over vector stores, and MCP tool integrations.
- Drive cloud modernization for BFSI and NBFC customers — decomposing monoliths, building multi-cloud deployment patterns, and defining reference architectures.

**Code B** — Software Engineer

*Oct 2020 – Sep 2021*

- Built full-stack web applications and cloud-native services using Node.js, React, and AWS.
- Implemented backend APIs, integrations, and frontend features shipped to production.

## LOCATION & AVAILABILITY

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Based in Mumbai, Maharashtra - India · **Open to roles in Mumbai, Pune, and Bangalore** · **Open to WFO, WFH, and Hybrid**

## KEY ENTERPRISE PRODUCTS

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**Technologies used across products:** *Node.js, Express.js, Next.js, React, TypeScript, Kubernetes, Kafka / RabbitMQ / SQS, Redis, WebSockets, PostgreSQL, Elasticsearch / OpenSearch, S3 Tables, Athena, JFrog, Object Storage (S3 / Azure Blob / OCI / GCP / MinIO), RedHat Ansible, LangchainJS, AWS Bedrock AgentCore, Terraform Enterprise.*

**Atlas API Manager** — Cloud-agnostic, enterprise-grade API management platform (multi-cloud, DC, bare-metal).

*Tech Lead · Founding Architect*

- Adopted by 15+ enterprise BFSI / NBFC customers; competes directly with Kong, Google Apigee, Mulesoft, and AWS API Gateway.
- Shipped 25+ API policies across security, governance, analytics, transformation, and monetization; API gateway deployable on any cloud, data center, or bare-metal.
- Built observability, log management, multi-backend vault (AWS Secrets Manager / SSM, HashiCorp, OCI, native), alert engine with Email/SMS/Webhook/SNS/Teams/Slack connectors, n8n-style workflow manager, scheduler, developer portal, API products, SSO (OIDC/SAML/LDAP), IAM with teams and business groups.
- Now operated by 10+ software teams and 20+ support teams.

**Atlas AI Agent Studio** — No-code agentic AI platform for building, evaluating, and operating LLM agents.

*Tech Lead · Founding Architect*

- Used internally for Applied Cloud Computing's AI products and POCs; adopted by 8 enterprise BFSI / NBFC customers.
- Supports multi-model provider ecosystem (AWS Bedrock, Anthropic, OpenAI, Azure, Gemini, Ollama, Nvidia, Mistral, HuggingFace), pre-built tools, MCP integrations, prompt manager, guardrails, agent evaluators.
- Implemented short- and long-term agentic memory with 6 vector store integrations and a knowledge-base manager.

**IT Compliance Manager** — End-to-end automation of RBI Cyber KRIs and IT Security Advisories; productized and being resold.

*Tech Lead · Founding Architect*

- Built for one of India's largest private-sector banks; evolved into a reusable product with an active resale funnel.
- Features include CXO compliance dashboard, rule onboarding, compliance lake explorer, validation manager, CoPilot, and PlayX — an AI-powered Ansible playbook builder in the spirit of CodeX.
- Supports on-demand and scheduled reporting, SSO, and automated alerting.

**Patch Command Center** — Agentless patching platform for middleware, databases, OS, and network appliances.

*Tech Lead · Founding Architect*

- Built for one of India's largest private-sector banks; productized with an active resale funnel.
- Patches 17,000+ servers per month across middleware, database, OS, and network appliance layers in fully agentless mode.
- AI-driven release risk evaluation, automated release detection and tracking, inventory and service discovery, and release lifecycle orchestration.

**Atlas AIOps** — Prompt-driven autonomous agents replacing manual runbooks across cloud, Kubernetes, APM, and ITSM.

*Tech Lead · Founding Architect*

- Delivers 70% MTTR reduction and 90% toil reduction with 200+ production-ready agent templates.
- Used internally by Applied Cloud Computing's DevOps, Cloud, SRE, and Support teams, and adopted by 2 enterprise banking customers.
- Features dashboard, observability, CoPilot, no-code automation wizard, HITL, incident management, enterprise connectors (AWS/Azure/GCP/OCI, ServiceNow, PagerDuty, New Relic, Dynatrace, Splunk, ManageEngine, K8s, OpenAPI, MCP, SSH, Shell), AI guardrails, multi-tenant workspaces, and SSO.