

RAKESH KUMAR

Vice President, Software Engineering | Backend, Platform & AI Engineering

Birmingham, United Kingdom | +44 7721323637 | rakeshjitm03@gmail.com

rakeshkumar.tech | linkedin.com/in/rakesh-kumar-vp-gs | github.com/rakeshjitm

PROFESSIONAL SUMMARY

Hands-on engineering leader with 12+ years building Java/Python services, enterprise integrations and developer platforms in financial services. Vice President at Goldman Sachs, delivering event-driven systems and reusable AI tools. Halved the EC2 node count across three application clusters and built operational automation adopted by nearly 5,000 users across 2,000+ Linux servers.

TECHNICAL SKILLS

Languages: Java, Python, Groovy, shell scripting

Frameworks & APIs: Spring Boot, Spring MVC, Spring Security, Django, REST APIs

Cloud & Infrastructure: AWS (EC2, MSK, Aurora, CloudWatch), Terraform, Docker, Kubernetes, Linux

Messaging & Integration: Kafka, webhooks, MCP, SSH, TLS/mTLS

CI/CD & Observability: GitLab CI/CD, Jenkins, Prometheus, Grafana, PagerDuty, ELK, AppDynamics

Databases: Oracle, Amazon Aurora

Developer Tooling: Jira, Confluence, Bitbucket, Atlassian SDK, Devin, Kore.ai

PROFESSIONAL EXPERIENCE

Goldman Sachs

Vice President, Software Engineering | Jul 2021 - Present | Birmingham, UK

- **Event-driven integration:** Replaced repeated REST polling across three AWS-hosted Jira instances with webhooks and Kafka on AWS MSK. Reduced the application footprint from **20 to 10 EC2 nodes (50%)** and enabled Aurora database downsizing.
- **Enterprise AI tools:** Built Python MCP servers exposing Jira and Confluence capabilities as reusable tools for AI agents and bots, establishing shared integration patterns for enterprise workflows.
- **AI-assisted delivery:** Onboarded **20+ GitLab repositories** to Devin workflows for routine maintenance, retaining engineer approval of merge requests and Terraform plan review before infrastructure changes.
- **Regulatory retention:** Developed a near-real-time feed capturing Confluence content creation, updates and deletions, transforming events for central retention. Supported a source platform with **~80,000 users and ~200,000 content items**.
- **Backend engineering:** Developed Java/Spring Boot services and secure REST integrations for regulated banking workflows; built and operated AWS application infrastructure using Terraform and CI/CD.

Infosys | Client: Citi

Senior Consultant | Mar 2021 - Jul 2021 | Chandigarh, India

- Developed a **Java/Spring Boot monitoring and automation service** integrating ELK and AppDynamics. Combined rule-based checks, Quartz scheduling and a Thymeleaf interface to standardise recurring operational work.

Fidelity International

Senior Analyst Programmer | Oct 2019 - Mar 2021 | Gurugram, India

- Created a **Python/Django self-service dashboard** combining DevTools upgrade procedures and platform-readiness checks, replacing fragmented steps with a repeatable upgrade workflow.
- Integrated DevOps tooling with cloud SaaS applications using **Java, Groovy and Python**, adding automation and workflow controls for consistent provisioning and configuration.

Mercer

Module Lead | Dec 2018 - Oct 2019 | Gurugram, India

- Built a **Java email-to-Jira application** that converted incoming requests into tickets and routed them through keyword-based classification, automating manual ticket creation and assignment.
- Developed **Java/Atlassian SDK reporting plugins** exposing historical Jira data for operational analysis; owned delivery of automation and reporting solutions through the development lifecycle.

Aristocrat Technologies

Engineer II | Nov 2017 - Nov 2018 | Noida, India

- Connected **Oracle Taleo and Atlassian workflows** through Java middleware and Python scripts, automating hand-offs between recruitment and work-management systems.
- Developed a Jira extension for **email-driven project provisioning** using Java, the Atlassian SDK and Python; also built a separate **Java Jira chatbot plugin** for self-service support answers.

Infosys | Client: Citi

Senior Systems Engineer | Feb 2014 - Nov 2017 | Chandigarh, India

- **Runbook Automation:** Proposed an SVN access-management PoC and expanded it into a portal adopted by **nearly 5,000 users across 2,000+ Linux servers**. Reduced person-hours spent on manual Linux BAU tasks by **~40%**.
- Built the platform with **Java, Spring MVC, Oracle and JSch/SSH**. Teams defined reusable commands or server scripts; a multithreaded engine ran independent runbooks in parallel, on demand or through Quartz schedules.
- Added execution status, detailed errors, configurable retries and auditability, with Active Directory authentication and Spring Security RBAC. Enabled **"One Touch CoB"** runbooks for planned business-continuity testing.
- **Kore.ai support assistant:** Created a natural-language chatbot and enriched knowledge bank for a DevTools community of **~40,000 users**, reducing support time spent resolving user queries by **~30%**. Covered Jira, Confluence, Bitbucket, Artifactory, Jenkins and other platform applications.

EDUCATION

B.Tech, Electronics and Communication Engineering | JITM, Parlakhemundi | 2013

CERTIFICATIONS

Atlassian Certified Jira Administrator; Dell Boomi Solution Architect Professional; Dell Boomi Integration Developer Professional; Infosys Core Java Certification.