

Aman Kumar

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SUMMARY

Backend-focused Integration Engineer with 2 years of experience building and operating enterprise-scale systems. Experienced in SAP Integration Suite, Java, Spring Boot, PostgreSQL, distributed integrations, and AI-powered developer tooling. Currently building backend and GenAI products focused on payroll systems, digital wallets, and middleware automation.

TECHNICAL SKILLS

- **SAP:** Integration Suite (CPI), BTP, API Management, IC Jobs, IFlows, Groovy, XSLT, OData, SOAP/REST, SFTP; SuccessFactors integrations across EC, RCM, ONB, and Time modules
- **Backend:** Java, Spring Boot, PostgreSQL, Redis, BullMQ, Docker
- **Security & Infra:** OAuth2, PGP Encryption, Certificate-based Auth, mTLS, GitHub Actions, Linux, Git
- **Secondary:** Node.js, TypeScript, LangChain, RAG, Gemini API

EXPERIENCE

- Integration Engineer**
Strada Global | *Client: Temasek Investments, Singapore*

Jul 2024 – Present
Hyderabad, India

 - Own and maintain **40+ SAP CPI iFlows** and **30+ Integration Center (IC) jobs** for Temasek’s enterprise HRIS landscape — full SDLC from POC through production deployment, independently managed.
 - Identified design flaws in failing IC jobs, proposed redesign to Director-level stakeholders, obtained sign-off, and delivered as optimised CPI flows — **25% reduction in processing latency**.
 - Built integrations across SuccessFactors modules: Time Management (shutdown leave automation), RCM → RPA, Onboarding/Off-boarding notifications, Paymaster overtime/allowance, and Travel vendors (Ctrip, CTM).
 - Proactively extended shutdown leave automation to intern and direct contract employee types — **saving 12 business hours/-month**, scope expansion initiated without a ticket.
 - Implemented enterprise-grade security: **OAuth2, PGP encryption, SFTP, certificate-based authentication, and mTLS** for PII-sensitive HR data flows across SailPoint, CyberArk, AD, and ServiceNow.
 - Presented integration designs and POC results directly to AVP, VP, and Director-level stakeholders — obtained client sign-off independently.
- Software Engineer Intern**
Arya.ag

Jan 2024 – Apr 2024
Noida, India

 - Rebuilt and modularised **React.js** UI components for the agritech platform — **40% improvement** in first-paint time and **20% reduction** in user bounce rate.
- Software Engineer Intern**
Captiosus Software Solutions

Jun 2023 – Dec 2023
Remote

 - Designed analytics dashboards (Angular + Firestore), reducing client data analysis time by **10x**; implemented RBAC (User/Admin/Superadmin) for a multi-tenant system.

PROJECTS

- Kizo – Digital Wallet Backend**

Oct 2025 – Dec 2025
Live

Node.js, TypeScript, PostgreSQL, Redis, BullMQ, Docker, GCP

 - Built a multi-tenant wallet and transaction platform with idempotent transaction processing, PostgreSQL row-level locking, Redis-backed background jobs, and API-key based tenant isolation.
 - Load tested the platform to 70+ RPS with p99 latency below 200ms and identified Argon2 hashing as the primary concurrency bottleneck under high load.
- Pagaar – Distributed Payroll Engine**

Jan 2026 – Present
GitHub

Java, Spring Boot, PostgreSQL, Redis, RabbitMQ

 - Designed and built a payroll processing engine using Spring Boot and PostgreSQL, supporting effective-dated compensation structures, payroll calculations, immutable payroll ledgers, and concurrent payroll execution using row-level locking.
- Malenia – AI Middleware Tooling for SAP CPI**

Feb 2026 – Present
GitHub

LangChain, RAG, NestJS, Gemini API, Vector Search

 - Designing an AI-powered middleware copilot focused on knowledge discovery, documentation automation, and development assistance for SAP CPI integration teams.
 - Exploring RAG architectures and LLM-assisted integration workflows based on challenges observed in enterprise SAP integration environments.

ACHIEVEMENTS

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| Awarded Q1 Customer Impact Award, Strada Global. | 2026 |
| Qualified GATE CSE 2026. | 2026 |
| Contributed to Refine framework documentation (23k+ GitHub stars). | 2024 |

EDUCATION

- BIT Mesra, Ranchi, India**

Aug 2020 – Nov 2024
CGPA: 8.73/10.0

Bachelor of Technology in Information Technology