Shafiq Imtiaz

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Professional summary

AI and agentic engineer, Senior Software Engineer - Principal at Flexspring. I design multi-agent AI systems and the full-stack products around them, in TypeScript, Java, Python, React, Node.js and Spring Boot. Cut integration setup from 2 weeks to 2 hours (99%) across 2,500+ B2B client configurations, and manual mapping review by 50%.

Work experience

Flexspring Aug 2026 - Present
Senior Software Engineer - Principal *Remote | Toronto, ON*

- Designed and drive an **agentic integration builder**: a multi-agent AI system that turns a client's documents into a working HR integration, cutting setup from 2 weeks to 2 hours (99%) across 2,500+ client configurations.
- Designed its agentic architecture, in which AI agents plan, build and check their own work before a specialist reviews it, with cost tracking and per-step model selection.
- Released a Claude Code team plugin with agents, MCP servers and skills: new-agent setup from days to hours.
- Built a one-command dev stack with a terminal UI for the whole platform, replacing hand-built Docker setups.
- Mentored interns and incoming developers; use Claude Code for professional and Codex for personal development.

Flexspring May 2024 - Aug 2026
Software Engineer - R&D and AI *Remote | Ottawa, ON*

- Engineered AI field recommendations for data mapping with embeddings, reranking, a LiteLLM fallback and Redis caching, raising the confidence threshold from 0.55 to 0.80 and reducing manual review time by 50%.
- Built an AI integration review on Amazon Bedrock to evaluate 50,000+ integrations, with persona-based review and sensitive-data blocking.
- Built the team's base library for AI agents (Claude Code, LiteLLM, MCP, Spec Driven Development), reducing new-agent setup from days to hours, with a model per agent role and tests grown from 81 to 132.
- Built File Manager as the sole engineer: a multi-region, event-driven file sync service on Node.js, PostgreSQL and AWS S3 with permissions, auth and observability.
- Migrated 5 core microservices to Spring Boot 3, improving API latency by 20%.
- Built Credentials Manager for securely managing third-party API credentials across 8,000+ active client integrations.
- Built integration version history with encrypted secrets, and webhook templates across the platform's apps, moving template data from PostgreSQL to MongoDB.
- Runner-up with a $1,000 prize at the internal hackathon for a RAG chatbot built on company data.

Flexspring May 2023 - May 2024
Software Engineer Intern *Remote | Montreal, QC*

- Modernized 3 legacy services from Java 8 to Java 17 and Spring Boot 2 to Spring Boot 3.
- Delivered 20+ reusable UI components for the customer dashboard, improving rendering performance by 40%.

BSRM Apr 2019 - Jun 2021
Full Stack Software Developer *Chittagong, Bangladesh*

- Built procurement dashboard using React, Node.js, and SQLite, improving Material Requirement Planning efficiency by 89%.
- Developed supplier integration platform connecting 40+ vendor systems with real-time inventory visibility and reporting.

Projects

KemonPoray - Professor and University Ratings for Bangladesh *Personal Project | Next.js 16, TypeScript, PostgreSQL, Drizzle ORM, Redis*

- Anonymous rating site for 180+ universities and 21,000+ professors, with Google sign-in and one permanent university and department per student, enforced by a database trigger.
- Rating limits (15 a year, 6 outside the student's department), OpenRouter screening of written reviews, and per-address budgets against scraping.

Nexus AI - Personal Academic Concierge *Personal Project | Gemini, Vercel AI SDK, Google Classroom MCP, Discord, Slack, Google Calendar*

- Agent-first academic workspace unifying Google Classroom, Discord, Slack, and Google Calendar: a Gemini agent on the Vercel AI SDK with a local Google Classroom MCP server extracts exam dates, generates multi-day study plans, and writes them to Google Calendar.

Education

MEng Software Engineering (Co-op) *Concordia University*, Montreal, QC 2022 - 2024
BSc Electrical and Electronics Engineering *Islamic University of Technology*, Bangladesh 2015 - 2018

Certifications and volunteer experience

AWS Certified AI Practitioner *Amazon Web Services* Nov 2025
Director of Sponsorship *HackConcordia*: secured $10,000+ in corporate sponsorship funding; helped organize Quebec's largest hackathon with 800+ participants from 97 universities. 2022 - 2023

Skills

AI Engineering: Agentic AI, Multi-Agent Systems, LLM Integration, RAG, MCP, Embeddings, Reranking, Vector Databases, Agent Workflows, LangChain, LangGraph, LangSmith, LiteLLM, Amazon Bedrock, Claude Code, Function Calling, AI Evaluation, AI Observability, Structured Output
Languages: TypeScript, JavaScript, Java 17, Python, SQL
Backend: Node.js, Spring Boot 3, Quarkus, REST APIs, GraphQL, WebSocket, OpenAPI
Frontend: React 18, Next.js, Vite 7, TanStack Query, Chrome Extensions
Cloud & Data: AWS (S3, SQS), PostgreSQL, MongoDB, Redis, Docker, Kubernetes, GitHub Actions, CI/CD, Jenkins