Shubham Patel

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Summary

AI/Agent engineer with **4+ years** shipping production services in **Python (FastAPI, Django)** and **Java (Spring Boot)**. Built a **Microsoft Foundry** multi-agent system in **Teams**: **Entra ID SSO**, **Graph on-behalf-of**, SharePoint tools, **structured BRD/FRD output**, and **MCP** document delivery, with quality checks, retries, and tracing. Earlier work includes enterprise identity (**Azure AD SAML SSO, RBAC, JWT**) and Kubernetes (**CKA**).

Experience

Forward Deployed Engineer Jan 2026 – Present
Technotribes.ai *Gurugram, India*

Agentic AI Requirements Automation Platform | *Teams workflow that drafts BRDs and FRDs from chat*

- Built a **Microsoft Foundry** multi-agent workflow in **Teams** that drafts business and functional requirements (**BRD/FRD**) from chat: **intent routing**, a **Clarification Agent** on **Adaptive Cards**, a **quality gate**, then a **Requirements Drafting Agent**.
- Implemented **Teams SSO** with **Entra ID** and the **Microsoft Graph on-behalf-of** flow, so **SharePoint** and **Microsoft 365** calls use the signed-in user's permissions. Stored secrets in **Key Vault** and fell back to a **sign-in card** when silent SSO failed.
- Shipped tools with typed inputs and outputs for **SharePoint**, **Microsoft Graph** as a fallback, **Azure AI Search**, and **Blob Storage**, plus **Foundry skills** for Word, Excel, and PDF. A **custom MCP** server returned the generated file in **Teams** through the **file-consent** flow.
- Generated the **BRD/FRD** draft and an Excel **citation sheet** of source references. Retried a **small language model** twice, then fell back to a **frontier model**. Kept client content in memory, **redacted logs**, traced runs with **correlation IDs**, and tested the **orchestration** path.

G-Invoice | *LLM workflow that maps billing records into one schema*

- Built a production **LLM workflow** that mapped **OPI** and **Zuora** records into one **canonical schema** through **validation, enrichment, transformation, submission, and polling**.
- Composed those stages with a reusable **dispatcher** and a **shared workflow context**, so each step consumed typed results from earlier steps and new workflows reused the same sequence.
- Measured extraction on a held-out set with **precision, recall, accuracy, latency, and structured-output validity**, then tuned prompts and model parameters from those results.

Full Stack Developer Oct 2022 – Dec 2025
Ataloud Technologies (Laurengroup.ai) *Mumbai, Maharashtra*

Finalyze.ai | *Financial SaaS platform*

- Owned **Finalyze.ai** from design through production on **Java, Spring Boot, React, PostgreSQL, MongoDB, RabbitMQ, Redis, AWS, and Kubernetes**.
- Implemented authentication and authorization with **Azure AD (Entra ID) SAML 2.0** single sign-on, **Spring Security, RBAC, JWTs** in **HttpOnly** cookies, and encryption.
- Automated **AWS** and **Azure** provisioning with **Ansible** and the **AWS SDK**, cutting resource tagging from **60 seconds to 7 seconds** and deployment time by **20%**.
- Reduced cloud cost by **30%** with a rightsizing module that found over-provisioned **EC2** and **RDS** instances.

Securitization | *Services and APIs for a securitization product*

- Designed **Spring Boot** services with an **API gateway**, centralized configuration, **service discovery**, and **RBAC**, and defined **50+ REST APIs** for role-based **React** clients.

Aadhaar Masking | *Browser tool that keeps Aadhaar numbers off the server*

- Built a **React** client, used by **1,000+ users**, that masked Aadhaar data in the browser before sending it to a **Django** serverless backend.

Technical Skills

Languages: Python, Java, SQL, JavaScript
Backend & APIs: FastAPI, Django, Spring Boot, REST APIs, Microservices
AI Platforms & Azure: Microsoft Foundry, Microsoft Fabric, Azure AI Search, Azure Bot Service, Databrikcs
Agentic AI & LLMs: Multi-Agent Orchestration, LangGraph, LangChain, RAG, MCP, LLM Evaluation, Guardrails
Enterprise Integration & Identity: Microsoft Teams, Microsoft Graph, Microsoft Entra ID, SAML 2.0 SSO, JWT
Databases & Messaging: PostgreSQL, MongoDB, Redis, RabbitMQ, Kafka, AWS SQS, Dead-Letter Queues (DLQ)
Cloud & DevOps: AWS (EKS, EC2, S3, RDS), Docker, Kubernetes, Ansible, CI/CD

Certifications

Certified Kubernetes Administrator (CKA) – Cloud Native Computing Foundation (CNCF)
AWS Cloud Foundations & Cloud Architecting – AWS Academy Graduate

Education

Rajiv Gandhi Proudyogiki Vishwavidyalaya (RGPV) Bhopal, Madhya Pradesh
Bachelor of Technology in CSE | CGPA: 7.02