

Shivam Som Bajpai

Software Engineer · Full-stack builder

ssbajpai9@gmail.com · shivambajpai.com · github.com/shivamsbajpai

I ship production backend and platform systems for enterprise SaaS — multi-cloud infrastructure, identity, and security at scale — and build AI-agent tooling, mobile apps, CLIs, and ML pipelines on the side.

Experience

SquareX

Singapore · acquired by Zscaler

Software Engineer

Dec 2023 – Jul 2025

- Owned multiple core backend services (Go, Python) for a multi-tenant, browser-native enterprise security platform across GCP, AWS, and Azure.
- Built a multi-cloud node-orchestration control plane that provisions, autoscales, and upgrades compute across AWS, GCP, and Azure in 10+ regions, with warm-pool reuse and spot-eviction handling to cut cloud spend.
- Built a multi-tenant identity-sync service ingesting users, groups, and devices from five identity providers (Entra, Okta, Google, JumpCloud, Ping) into per-tenant Postgres and BigQuery over gRPC.
- Developed a multi-tenant OpenID Connect/OAuth2 identity provider with per-tenant isolation and federated login, plus the policy and access-control layer (policy engine, DLP, SSO, device/group management).
- Owned reliability and delivery across services — CI/CD, observability, SLO alerting, secret management, and multi-region deployment tooling.

FinBox

Bengaluru, India

Associate Product Manager

Jan 2022 – Sep 2023

- Core maintainer of the FinBox lending platform — a Go backend powering embedded lending products.
- Managed and migrated infrastructure to a secure, compliant cloud using Terraform.

FinBox

Bengaluru, India

Product Management Intern

Aug 2021 – Dec 2021

- Built Grafana and Redash dashboards tracking key metrics and funnel conversion; wrote Airflow DAGs and Python scripts to automate recurring tasks.

Afour Technologies

Pune, India

Software Development Intern

Jan 2021 – Jun 2021

- Worked on the backend of an internal product in .NET Core; built the backend of a Recruitment Application Tracking System with FastAPI (Python).

Zaggle Prepaid Ocean Services

Hyderabad, India

Software Development Intern

Aug 2020 – Dec 2020

- Developed an iOS application in Swift.

Selected Projects

second-brain — MCP-native personal-knowledge service any AI agent can query for fast, token-frugal context; sensitivity classification, provenance tracking, and a React dashboard. (Go · Postgres/pgvector · MCP)

sales-saathi — Live Hindi sales-call coaching — local speech-to-text, real-time nudges, and a 7-dimension scorecard with evidence-verified quotes. Runs entirely on-device, no cloud. (Python · local whisper + LLM)

photo-gallery — Face-recognition event-photo site — guests click a face to see every photo they appear in. RetinaFace + ArcFace with clustering, deployed on Cloudflare. Used at real weddings. (Python/ML · Cloudflare)

lomasa-cli — Local manager for open-source AI agents — like nvm, but for tools such as Ollama and OpenCode. No API keys, no cloud. (Go · github.com/lomasa-ai/lomasa-cli)

farm-pro — Bilingual (English/Hindi) Android app and backend delivering weather and crop-advisory insights to farmers, drawn from IMD data and DAAS bulletins; offline-first, source-linked. (Kotlin · FastAPI)

yt-skin — Browser extension to save YouTube videos and channels without logging in — keeps recommendations useful with watch history off. Published on the Chrome and Firefox stores. (JS · shipped)

Skills

Infrastructure: GCP, AWS, Azure, Kubernetes/GKE, Docker, Terraform, gRPC, Kafka/Pub-Sub, Postgres, BigQuery, Elasticsearch, Redis, Cloudflare

AI/LLM: MCP (Model Context Protocol), local LLMs (whisper-cpp), RAG / pgvector, agent tooling

Education

BITS Pilani — Hyderabad Campus

2016 – 2021

B.E. Electronics & Instrumentation + M.Sc Biological Science (Dual Degree)

GPA 7.24/10