

SALIL HARIT

New Delhi · salilharit2001@gmail.com · +91 92209 66708 · [linkedin.com/in/salil-harit-85565622](https://www.linkedin.com/in/salil-harit-85565622) · github.com/SalilHarit

SUMMARY

Software engineer with full-stack production experience across Flutter/Firebase and Spring Boot/PostgreSQL, now specializing in backend engineering. Own architecture, module design, data modeling, and tradeoff decisions; direct AI-assisted implementation under review and personally diagnose and fix defects. Backend depth spans REST APIs, JWT/RBAC, tenant isolation, financial logic, query performance, testing, and deployment tooling.

TECHNICAL SKILLS

Primary: Java 17, Spring Boot 3, Spring Security, Hibernate / JPA, Dart / Flutter, Node.js, Python 3

Databases: PostgreSQL (+ PostGIS), Firebase Firestore, MongoDB Atlas, SQLite, SQL and schema review

APIs: REST API design, OpenAPI / Swagger, JWT authentication, AWS API Gateway, Razorpay integration

Testing: JUnit 5, Mockito, Flutter tests, integration tests, Postman, focused regression and tenant-isolation tests

Cloud / Infra: AWS Lambda, API Gateway, Firebase Auth / Firestore / Storage / Functions / Hosting, Docker

Observability: Structured logging, timing and row-count telemetry, Prometheus / Grafana configuration

Other: Git, PowerShell, Linux / Bash, Gradle, Firebase CLI, PlantUML

EXPERIENCE

Codeforge Labs - Product Architect & Engineering Owner

May 2025 - Present

New Delhi | Engagement-led product development across fixed-asset and security/manpower ERP systems

- Led discovery, architecture, module boundaries, data modeling, and delivery decisions across client engagements; directed AI-assisted implementation under review, personally diagnosed defects, and transitioned delivered products into scheduled maintenance.

SEC ERP - Security & Manpower ERP Product

Feb 2026 - Present

Spring Boot API, Flutter admin portal and mobile app | Codeforge Labs

- Defined product scope, system architecture, and delivery priorities for a multi-client ERP spanning Spring Boot services, Flutter web/Windows and mobile apps, shared Dart models, PostgreSQL/PostGIS, and Docker infrastructure.
- Directed AI-assisted implementation across JWT/RBAC and operational modules for personnel, clients/sites, deployments, attendance, trips, payroll, invoicing, and reporting; reviewed and corrected generated changes.
- Specified and validated local-first mobile trip tracking with SQLite and foreground GPS: accuracy, speed-plausibility, and displacement gates distinguish usable fixes from reimbursable movement; active-trip state, route points, stops, and distance persist for explicit resume after process restart.

FAMS ERP - Engagement-Led Fixed-Asset Product

May 2025 - Present

Flutter clients, Spring Boot REST services and PostgreSQL | Codeforge Labs

- Conceived and architected FAMS through a client engagement, translating fixed-asset operations into a reusable product spanning 17 master, 9 transaction, and 6 utility modules; directed AI-assisted implementation while owning review, testing, debugging, and release decisions.
- Owned remediation and engineering follow-through for client-executed UAT; the current client-maintained tracker contains 104 rows: 88 Solved, 8 Partially Solved, 6 Not Solved, and 2 awaiting status.
- Defined and validated SLM and WDV depreciation behavior and UOP-related production data through focused tests and source review.
- Reworked report loading with company-scoped joined SQL, batched Dart Future.wait resolution, and screen-local reference-data caching; added row-count and timing telemetry to replace sequential per-row lookups.
- Designed tenant-scoped PDF reporting with JWT company-claim binding and a negative cross-company test proving mismatched requests return 403 before generation; owned Windows packaging research and post-install validation for the bundled client, service, and Java runtime.

AstroVista - CTO & Lead Product Engineer

Jan 2024 - Present

Flutter / Firebase content and commerce platform | Project-based product engagement

- Built and maintained a Flutter/Firebase platform across Authentication, Firestore, Cloud Storage, and Cloud Functions, with 28 mapped top-level and nested Firestore data paths covering content, users, purchases, entitlements, and transactions.
- Implemented admin workflows for videos, books, courses, articles, and news, including media upload, pricing, review, bulk management, and Razorpay purchase flows writing purchase and entitlement records.
- Identified repository-versus-deployed Firebase rules drift and an open rule permitting unauthenticated create/read on a customer-data collection; documented both for remediation.
- Added unit and configuration-level tests for bulk-upload validation, manifest parsing, storage-path construction, and rule-pattern checks while documenting remaining Emulator and authenticated browser end-to-end gates.

Software Developer - G S Solar Systems / SGC Enterprises

Jun 2023 - Nov 2023

Noida, UP | AWS cloud ingestion for Raspberry Pi solar data-logger telemetry

- Configured an AWS API Gateway POST endpoint for form-encoded data-logger payloads, transforming them to JSON through a VTL mapping template before invoking Lambda.
- Implemented a Python 3.11 Lambda parser converting CSV header/value rows into timestamped MongoDB documents with parameter-value maps; packaged PyMongo in the deployment ZIP.
- Documented and exercised a 183-field sample payload spanning inverter, grid-meter, and diesel-generator telemetry, including the endpoint contract and HTTP response behavior.

EDUCATION

B.Tech — Mechatronics, Robotics & Automation Engineering · Delhi Skill and Entrepreneurship University (DSEU) · Dec 2021 – Jun 2025