

Hemant Singh Sisodiya

✉ sisodiyahemant123@gmail.com ☎ +91 9165828902 in hemant-singh-sisodiya

Education

Birla Institute of Technology and Science

Bachelor of Engineering in Computer Science - 8.68/10

Pilani, India

July 2019 – June 2023

Technologies

Languages: C++, C, Java, Kotlin, Spring Boot, Python, Go, Terraform

Backend Technologies: REST APIs, MySQL, Redis, Kafka, Scylla, Docker, Apache-Airflow, AWS (Lambda, SQS, SNS, Load Balancer, EC2, ECS, Cloudwatch Alarm, DMS, RDS, Aurora, DynamoDB), Grafana, Loki, Tempo, Prometheus, Alertmanager

Experience

Keychain, Software Engineer

Aug 2025 – Present

- Led **migration from Algolia to Typesense** for applications, reducing infrastructure costs by **\$40K/M**.
- Built **monitoring and alerting** across **Java, Python, and Node.js** services, **AWS managed services**, and **Kubernetes**, reducing **MTTR to 15 minutes**.
- Designed and deployed a **self-hosted Data Migration platform** using **PeerDB**, replacing **AWS DMS** for PostgreSQL replication with **DDL sync** and **Slack/PagerDuty integration** — reducing sync time by **40%** and saving **\$4K/M**.
- Led development of the **Keychain Internal Developer Platform (IDP)** covering **user onboarding/offboarding**, **application config management**, **database sync pipelines management**, and **JIT database access provisioning**, contributing to **SOC2** compliance.
- Developed a **rate-limiting service** with **Envoy Gateway**, supporting configurable **per-route limits** with default enforcement and override support.
- Implemented **JIT database access** with **strict 15-minute access period**, improving security.
- Built a **CDC pipeline** using self-hosted **PeerDB** with a **custom SNS connector**, enabling **selective reindexing** and **intelligent cache invalidation** from incremental data changes.
- Integrated **FingerprintJS** with **Cloudflare** to **automatically block malicious IPs**, significantly **reducing scraping and abusive traffic**.

Navi Technologies, Software Engineer

July 2023 – Aug 2025

- Developed **scalable, low-code orchestration framework**, powering **16 user journeys** across Personal Loan, AMC, and One-Profile modules, **supporting 150K+ daily new user** onboardings on the Navi app.
- Reduced the reliance on native code by building a **scalable, low-code, server-driven screen platform**, enabling **300+ dynamic screens** across multiple Navi app modules, including Home Page, Personal Loan, AMC, and General Insurance.
- Implemented a **secure tokenization system** for PII data, that supported **20K reads and 5K writes per second**, seamlessly migrated all Navi customer PII data.
- Developed a **personalized nudge platform**, delivering **non-intrusive reminders** to help users manage finances and avoid missed payments, resulting in a **70% customer retention** rate for bill payments.
- **Maintained** Navi's complete login system, handling **450K login requests/min** and securely **authenticating 1.4M requests/min** across all services.
- Engineered and deployed **datasource orchestration** feature for screen platform, **enhancing response time, scalability, and cost efficiency**, handling the same traffic with **70% fewer resources**.
- Delivered **unit test support along with auto-generation** feature to **catch unintended config changes early**, enabling config-time testing and **reducing overall testing time by 60%**.
- Built **data archival service**, reduced storage by saving **900GB** of data and enhancing performance.
- Facilitated **parallel development of application** and screen configs, allowing teams to work on multiple projects concurrently, **increasing developer efficiency by 50%**.

- Introduced **debug view** for user-specific application journeys, **reducing on-call debugging time by 80%**.
- Launched **request coalescing feature**, reducing downstream service calls to fetch journey configs from **300 to 5** at the time of cache refresh.
- Enabled **gradual config rollouts of application config**, streamlining multi-config deployments at the same time, where configs can have rollout percentage between **0 to 100**.

SuperPe, *Software Engineering Intern*

Jan 2023 – Jun 2023

- Developed a **QR ordering system**, integrated with **Razorpay for payments** and **Slack** to dispatch notifications to the business team, increasing daily QR order volume from **10 to 300**.

Samsung R&D Institute India, *Software Engineering Intern*

May 2022 - Jul 2022

- Interned in the **Digital Wallet team** to develop web interface to display real-time payment status.

Awards and Recognition

Navi Spearhead — Navi Technologies

- Recognized as a top performer for October'24 quarter for exceptional performance.