Arpit

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SKILLS

- **Languages**: Go, C++, JavaScript, Python, Java
- **Backend & Frameworks**: Gin, Django, Node.js, REST APIs
- **Databases**: PostgreSQL, MySQL, MongoDB, Redis
- **Cloud & Infrastructure:** Docker, NGINX, Linux, MinIO, Postfix, SMTP, DNS
- **Concepts:** System Design, Distributed Systems, Multi-Tenant Architecture, Authentication Systems, Caching, API Design

PROJECTS

CloudIgnite — Multi-Tenant Cloud Platform (Founder & Backend Engineer) | LINK   May 2024 – Present

- Designed and engineered a modular cloud platform delivering core developer infrastructure services with tenant-aware isolation and scalable backend architecture.
- Developed a **multi-tenant authentication service** with project-scoped identity boundaries, JWT lifecycle management, refresh token rotation, and centralized revocation controls.
- Engineered **domain-based SMTP infrastructure** using Postfix, Dovecot, OpenDKIM, and Rspamd to enable secure transactional email delivery for hosted applications.
- Implemented **distributed object storage service** powered by MinIO supporting bucket isolation, access policy enforcement, and optimized metadata lookup flows.
- Architected **serverless function execution layer** enabling event-driven code deployment and containerized runtime isolation for user workloads.
- Structured high-throughput REST APIs with layered architecture patterns to ensure maintainability and horizontal scalability.
- Integrated Redis caching mechanisms to minimize database contention and improve authentication and storage response latency.
- Designed and published **developer SDK support and technical documentation** enabling seamless integration of CloudIgnite services into external applications.
- Tech Stack: Go, Gin, PostgreSQL, Redis, Docker, NGINX, MinIO, Postfix, Linux, JWT, REST APIs

SecHat — Real-Time Android Chat Application | GITHUB   Jan 2024

- Developed a real-time chat application for Android with secure authentication and instant message delivery.
- Created structured Android UI layouts ensuring responsive message rendering and intuitive navigation.
- Integrated Firebase Authentication for secure login workflows and session persistence.
- Enabled live message synchronization using Firebase Realtime Database / Firestore.
- Designed user presence tracking logic and chat data models supporting instant UI updates.
- Tech Stack: Java, XML, Firebase Authentication, Firebase Realtime Database / Firestore, Android Studio

NotesHouse — Cross-Platform Notes | LINK   April 2025

- Cloud-synchronized productivity application focused on lightweight note management and real-time device synchronization.
- Developed cross-platform UI using Flutter widgets ensuring consistent performance across Android devices.
- Implemented real-time note storage and retrieval flows backed by Firebase cloud database services.
- Structured local caching logic to improve offline usability and reduce redundant network calls.
- Designed clean navigation patterns and state handling strategies for smooth user experience.
- **Tech Stack:** Flutter (Dart), Firebase

ACHIEVEMENTS

- Built end-to-end cloud infrastructure components including authentication, storage, and email delivery systems.
- Demonstrated strong command over backend performance optimization and distributed architecture design.
- Independently conceptualized and executed startup-scale engineering roadmap while pursuing undergraduate studies.

EDUCATION

- **Lovely Professional University**   Phagwara ,Punjab
  *Bachelor of Technology - Computer Science and Engineering; **CGPA: 6.91***   *Aug 23-Present*

- **RKP Sr. Sec. School**   Rohtak, Haryana
  *Intermediate; **Percentage: 81.8%***   *Apr 21 – Mar 23*

- **Indus Public School**   Meham, Haryana
  *Matriculation; **Percentage: 90.6%***   *Jul 20 – May 21*