CHINMAY KUDALKAR

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Skills

Languages	TypeScript, JavaScript, Rust, Swift, Kotlin, Python, C#, SQL
Backend	Node.js, NestJS, Prisma, REST, WebSockets (Socket.IO), BullMQ, JWT/OAuth
Frontend & Mobile	React, Next.js, React Native (Expo), SwiftUI, Jetpack Compose, WinUI 3
Data & DevOps	PostgreSQL, Redis, MySQL, Docker, AWS, GitHub Actions, Linux, Sentry

Experience

Software Engineering Intern Aug 2026 – Present
ideaForge Technology Limited *Navi Mumbai*

- Built **iF FleetDesk** end to end as its sole developer: ideaForge's fleet and employee-transport platform, replacing a manual, coordinator-driven process. One TypeScript monorepo holds a NestJS API, a React web app and React Native (Expo) apps for employees, drivers and admins, with 21 API modules and 45 PostgreSQL tables (Prisma).
- Built the full booking-to-trip flow: 4-step booking (passengers, material, multi-stop, local and outstation trips), approval rules by site and trip type, and shuttle services with seat reservations. Automatic dispatch picks an eligible vehicle and driver, skips vehicles with expired insurance or permits, and retries until pickup.
- Made dispatch safe under concurrency, so two admins can never give the same vehicle or driver to overlapping trips. PostgreSQL row locks taken in a fixed order prevent deadlocks, and tests run against a real database.
- Made the driver app work offline: GPS pings every 10 s queue on the phone and replay safely on reconnect, and trip close-out survives network loss. Socket.IO and Redis power the live fleet map; BullMQ retries push notifications.
- Ran it like a production system: Dockerized API, worker and web behind Nginx; Prometheus, Grafana and Loki alerting; scripted backups and restores; a verified import of the legacy system's data; and forced mobile app updates.
- Secured and tested it: email OTP and driver PIN login, JWTs with per-device refresh sessions, rate limiting, about 150 test files, and CI with CodeQL, Semgrep, and secret and container scanning.

Software Engineering Intern Dec 2025 – Apr 2026
Mintskill HR Solutions LLP *Navi Mumbai*

- Led a small intern team building LINEUP, a multi-tenant interview platform, splitting work and reviewing code.
- Built Node.js backend services and REST integrations with ATS and CRM platforms to automate hiring.
- Moved long-running work off the request path into Redis-backed background job queues, keeping API responses fast.

Projects

Link All – Phone & Computer Continuity | *Rust, Kotlin, Swift, C#, GTK 4* Website | Microsoft Store | GitHub

- Connects phones and computers over local Wi-Fi with no cloud or account: send files and folders, a shared clipboard, phone notifications and calls on the computer, media controls, and find-my-phone.
- Turns the phone into a remote, mouse and keyboard for the computer, and shares one keyboard and mouse across computers by moving the pointer past the screen edge.
- One Rust core shared by native apps on Android, macOS, Windows and Linux. Live on the Microsoft Store and Homebrew; the Android app is in Google Play testing. Transfers resume after a dropped connection, devices find each other automatically, and traffic is end-to-end encrypted.

StreamDisk – Cloud Drive as a Mac Disk | *Swift, SwiftUI, Network.framework* Website | GitHub

- Native macOS app that mounts Google Drive in Finder and streams files on demand. Wrote its own NFSv3 server in Swift with no third-party dependencies.
- Cut file open time from 14.8 s to 1.7 s with merged range requests, a 128 MB readahead window and a metadata cache. Writes go through a journaled upload queue, verified by checksum round-trips against Drive.

LINEUP – Multi-Tenant Interview Platform | *Next.js, NestJS, PostgreSQL, Redis, JWT*

- Multi-tenant backend with row-level tenant isolation and JWT auth, plus candidate pipelines and scheduling.
- Built reporting with Redis caching, and an OCR ingestion pipeline that handles 1000+ candidate records per upload.

Education

B.Tech in Computer Technology, Ratan Tata Maharashtra State Skills University 2023 – 2027 | CGPA: 7.3
HSC (PCM + CS), Stann Knowledge Campus, Mumbai 2023 | 82.33%
SSC, St. Willibrord's High School, Mumbai 2021 | 71.80%

Certifications

AWS Certified Cloud Practitioner (2026) | Artificial Intelligence – Certiport (2025) | Deep Learning – Skillsoft (2025)
Databases – Certiport (2024) | HTML & CSS – Certiport (2024)