

# Kailas Mahavarkar

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## Skills

**Languages:** JavaScript, TypeScript, Python, C++, SQL (PostgreSQL)

**Tools:** Git, JIRA, Obsidian, WSL, Slack, PNPM, Bun

**Tech & Frameworks:** React, Redux, Next.js, Tailwind, Webpack, Vite, Babel, FastAPI, Flask, Grafana, ClickHouse, AWS, Prisma, Redis

**AI:** Cursor (MCP), Claude (CLI+Web), V0, Perplexity, OpenRouter, LangChain, n8n

## Experience

### Software Developer Engineer - Pine Labs (setu)

January 2025 – Present

- Owned **ICICI iFinance PFM** (React, TS) end-to-end; improved UI performance, reduced load times, and fixed UX-breaking issues for 4M+ users.
- Implemented **SDKs** for 2 Account Aggregators (Finvu, Saafe) using TypeScript to streamline consent approval and data fetching across the AA journey.
- Owned and built the SETU Insights dashboard with a **config-driven dynamic form builder**, supporting the Project 2K25 initiative.
- Added 40+ tracking events** across the PFM UI to support analytical queries on ClickHouse.
- Replaced 3 heavy lottie animations with lightweight CSS/HTML/JS versions, reducing individual animation assets and improving overall UI responsiveness.
- Resolved **VAPT** issues across 2 services and frontend to meet security and compliance requirements.

### Software Developer Engineer - Carwale

April 2023 – January 2025

- Led R&D on **counter-based hashing** for atomic classnames, achieving 2–3 character tokens and reducing DOM size by **20%** for faster page loads.
- Improved and maintained the **Oxygen Design System** (50+ reusable components) serving **40M+ monthly users** across React and React Native.
- Increased snapshot test coverage to **80%** for Oxygen Design System, ensuring component consistency and robustness.
- Built 5 React and 4 React Native components with optimized tests (Enzyme/RTL), monitored JS thread performance via **Flipper/Lighthouse**.
- Built 3+ high-priority **Skin Ads** campaigns using Vanilla JS + template injection, validated cross-browser via BrowserStack under tight timelines.
- Researched monorepo migration to a **component-driven architecture**, evaluating Bit, Nx, Turborepo and Lerna.
- Integrated RN performance tooling to measure JS/UI thread blocking, improving animation performance by **3x** on CarWale Android app.
- Migrated components to **Ozone**, enabling multi-platform reuse of 10+ higher-order components.
- Built Python and NodeJS automation scripts to eliminate 5+ repetitive tasks (import cost analyzer, unused CSS scanner, pre-commit hooks).

## Projects

### Pastekey - Code Sharing Tool [live]/[source] (Stack: Nodejs, Typescript, Express, Railway)

- Developed a responsive web app for secure text and code sharing, featuring a user-friendly interface with robust security measures. Implemented secure password handling and **client side data encryption using AES-256 to ensure data privacy**.
- Added features like **time-based locking**, **burn-once-after-view** functionality, and **expiration after a defined interval** for enhanced data control.

## Education

### Vidyalankar Institute of Technology

Mumbai

Bachelor of Engineering in Information Technology - **9 CGPA**

August 2020 – May 2023

### K.J Somaiya college of Polytechnic

Mumbai

Diploma in computer engineering - **91.3%**

August 2017 – June 2020

## Achievements

- Fynd.Academy - **12 weeks training** on full stack with JavaScript on November 2022.
- Solved 600+ question on Leetcode over span of 3 years