

VARUN DEV SHARMA

Manager - SDE III | Team Lead

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Summary

Multi-stack engineer experienced in building and scaling technology solutions from scratch. Adept at solving complex architectural challenges, optimizing cloud infrastructure, and pushing technological limits to deliver meaningful, high-impact products in fast-paced environments.

Skills & Technologies

Languages: JavaScript, TypeScript, Dart, C++, Python, NodeJS
Frameworks: React, NextJS, React Native, Flutter, Sveltekit, NestJS
Cloud & DB: PostgreSQL, MongoDB, Redis, Elastic Search, Firebase, Supabase, AWS, GCloud, Docker, Kubernetes
AI Skills: Generative AI, AI Model Training, Prompt Engineering, Devin AI
Other: System Design, Github Actions, IAC, FFmpeg, DRM, Jenkins

Experience

Manager - Tech and Solutions

2023 – Present

iDream Education – EdTech Industry

- **Cloud & Infrastructure:** Reduced AWS cloud costs by 40% by migrating from on-demand to reserved instances based on traffic analysis.
- **Product Leadership:** Led development of iPrep Tizen (React) for Smart TVs and iPrep Digital Library, deploying to 10,000+ devices.
- **Internal Tooling & AI:** Integrated AI model training pipelines; built custom FFmpeg compression/encoding, MP4 segmentation, and AES-256-CBC encryption tools.
- **Architecture:** Architected "Content-as-API" for B2B integrations; implemented Widevine DRM streaming for adaptive video loading.

Assistant Manager

2022 – 2023

iDream Education

- **Project RISL:** Architected hybrid Edge-Cloud ecosystem for government initiatives. Built 3 custom frontends (Flutter/Next.js) and Node.js/PostgreSQL dual-backend with offline LAN syncing and secure telemetry caching.
- **Desktop Engineering:** Developed iPrep Digital Class for Windows/Linux, installed on 500,000+ devices (1M+ users). Engineered local Node.js backend streaming to 50 devices simultaneously.

Senior Software Engineer

2021 – 2022

iDream Education

- **Web Development:** Architected iPrep Web App (Next.js) from scratch to 5,000+ DAU with LRU caching and custom adaptive video player.
- **Mobile Development:** Engineered iPrep Mobile App (Flutter) with event-driven BLOC architecture, scaling to 60,000+ downloads. Integrated pdfx and Apple Payments.

Frontend Developer – React Native (Internship)

Feb 2020 – Feb 2021

Iraitech Pvt Ltd

- Developed "Desi Adda", cross-platform event scheduling and e-sports app using React Native with SSO authentication.

Workshops & Training

Mobile App Development Trainer – TechGyan @ IIT Delhi

2022

Trained 25 students in Mobile App Development using Flutter framework.

Education

B.Tech in Computer Science Engineering

2018 – 2022

Maharaja Agrasen Institute of Technology, Delhi

Senior Secondary Education

2015 – 2017

Kendriya Vidyalaya A.G.C.R