

# Nikhilesh Meghwal

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## Professional Summary

**Mid-senior level experienced software engineer** and **Frontend Lead** with a demonstrable track record of shipping successful software products and services across multiple release cycles. Extensive experience in architecting high-scale React applications and data-driven dashboards. Specialized in **TypeScript, C/C++, and modern state management**, with a proven ability to transform complex business logic—ranging from system software modules to multi-role scheduling systems—into performant, user-centric solutions.

## Skills Highlight

### Frontend Architecture & UI/UX

- Accelerated manual scheduling process by 50% by developing Admin scheduling dashboards, progress trackers and bulk notification panels.
- Enhanced pre-sales lead conversion by 17% by adding tentative scheduling feature based on instructor availability.
- Developed Instructor side events authorisation and schedule view that helped ensure secure progress of ongoing schedules which increasing overall service trust by 25%.
- Added learner view with complex business logic that helped reduce by 50% the manual tracking and notification of limited access users.

### System Development

- Designed and released C/C++ software modules through multiple successful release cycles at Nvidia.
- Engineered robust rescheduling mechanisms to ensure atomic data consistency between system items and content.
- Managed technical and architectural dependencies while driving design coding and system requirements.

### Automation & DevOps

- Built custom automation tools in scripting languages (Python, Bash) for code monitoring, technical reporting, and dashboarding.
- Experienced in managing technical and architectural dependencies while driving design coding within a CI/CD environment.
- Proficient in using professional development tools including Git, Gerrit, Jenkins, and VectorCast.

## Technical Skills

- **Programming Languages:** C, C++, Python, Bash, TypeScript, JavaScript (ES6+), UML, YAML, XML.
- **Libraries & Frameworks:** NPM, React, (TanStack Query), Tailwind CSS, Vite, PostgreSQL
- **Tools & Infrastructure:** Git, Gerrit, Jira, Jenkins, VectorCast, Code collaborator, Sphinx, Google Maps API, prompt-based coding
- **Methodologies:** Agile/Scrum, Software Development Lifecycle (SDLC), Cross-functional collaboration, test driven development (TDD), prompt engineering, AI assisted programming.

## Work Experience

Lane | Software Consultant (Full-stack) Nvidia | System Software Engineer

## Education

### Indian Institute of Science Bangalore | M. Tech. in Computational Science

- Relevant Coursework: Machine Learning, NLP, Data Mining, Parallel Programming.

### National Institute of Technology Jaipur | B. Tech. in Electronics and Communication

- Relevant Coursework: Data structures and Algorithms, Operating Systems.

## Projects

- **Lane Webapp Learner Management System:** Bringup and release of MVP for Learner Management System with user flows including onboarding, scheduling, notifications management, and course content rendering.
- **Userspace APIs for NVIDIA Drive SDK:** Development, Verification, and Release of multiple versions of NVIDIA's fully safety compliant Drive SDK platform.