

# Adarsh Mamgain

Full Stack Developer — Frontend Developer — Mobile Engineer

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## EDUCATION

- SRM Institute of Science and Technology** Chennai, India  
*Bachelor of Technology - Computer Science and Engineering ; GPA: 8.23* June 2024

## EXPERIENCE

- EventHQ** Bengaluru, India  
*Software Development Executive* Jan 2024 - Present
  - Led full-stack development of **EventHQ Connect** and **Checkin** using **Flutter (BLoC)** and **Nest.js**, scaling to 500+ users/event and streamlining the entire project lifecycle.
  - Led the development of the full-stack solution, implementing both the **Nest.js backend** and the **Flutter app**, managing the entire project lifecycle from backend to mobile app deployment.
  - Developed and optimized APIs using **Nest.js** and **PostgreSQL**, improving app connectivity and data management.
  - Implemented application monitoring using **New Relic** and used **Apache JMeter** for testing 6x the predicted load.
  - Implemented **unit tests** having more than 90% code coverage with patching and mocking for quality assurance.
- Oneshot Studios** Chennai  
*Full-stack Developer* Feb 2023 - Oct 2023
  - Collaborated with cross-functional teams to develop **web technologies** and **product tours** for clients like HCL.
  - Utilized **React.js** and **Flask** to build responsive web applications, enhancing user engagement.
  - Spearheaded a team of 3 and participated in **agile sprints**, improving project delivery timelines by 20%.

## PROJECTS

- SchedOwl**
  - Integrated the **LinkedIn API** to authenticate users and post on their behalf using their access tokens and refresh tokens, ensuring a seamless user experience.
  - Deployed on **Hetzner VPS** to periodically check for scheduled posts and automatically post them at the specified times, leveraging Prisma to query and update the PostgreSQL database.
  - Implemented message **queues** using **Bull**, and worker processes to handle high-frequency post scheduling and avoiding bottlenecks, ensuring scalability and reliability.
  - Incorporated a **backup system** and **retry mechanisms** to ensure no scheduled posts are lost in case of temporary failures or worker process crashes.
- Typill**
  - Developed an **intelligent writing assistant** using Next.js, PostgreSQL and Gemini 2.0 Flash Lite.
  - Implemented **data streaming**, and **caching** mechanisms to enhance security and improve overall system performance.
  - Added payment and subscriptions using **Dodopayments** and **end-to-end tests** using Jest, ensuring code quality and maintainability.
- SnapUI**
  - A modern, customizable Flutter component library featuring elegant UI elements and smooth animations for rapid development.
  - Packaged as a reusable library and used across 3+ internal projects to accelerate frontend design cycles.
  - Supports dark mode, theme customizations, and integrates with existing Flutter state management solutions.

## SKILLS SUMMARY

- Frontend:** React.js, Next.js, Remix, Tailwind
- Backend:** Nest.js, Node.js, Flask, Prisma, PostgreSQL
- Mobile:** Flutter (BLoC), Dart, Firebase
- DevOps:** Docker, Kubernetes, AWS, Git, GitHub, New Relic, JMeter
- Languages:** Typescript, JavaScript, Dart, Python, C++, Go, SQL
- Soft Skills:** Leadership, Collaboration, Task Planning, Problem Solving, Effective Communication

## POSITION OF RESPONSIBILITY

- Web Developer at Coding Ninjas Club SRM** Nov 2020 - Feb 2023
  - Led a team of **5+ developers** to build and maintain the **official Coding Ninjas Club SRM website**, improving event registrations by **200%**.
  - Developed multiple **internal tools and event platforms** using **React.js**, **Firebase**, reducing manual workload by **50%**.
  - Worked closely with marketing and design teams to ensure the website reflected the club's brand and was user-friendly.

## ACHIEVEMENTS

- 2x National Gold Medalist in Taekwondo**
- 1st Dan Black Belt in Taekwondo**