

Tejas Nikhar

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EXPERIENCE

SDE - II | Rocketium

July 2022 - Present, Bengaluru, India

- Streamlined **image export** processes on canvas through browser automation in **AWS Lambda**, achieving systematic integrity with optimistic credit computation.
- Designed a queue-driven system with **BullMQ** for reliable data processing, ensuring real-time database updates with received URLs.
- Facilitated seamless deployment processes by utilising **ECS and ECR**, optimising for scalable and dependable containerised services.
- Configured comprehensive CI/CD pipelines using **GitHub Actions**, significantly enhancing team productivity and workflow efficiency.
- Implemented a process for stricter code guidelines, code formatting, code reviewing on GitHub.
- Initiated corrective strategies to tackle approximately **800 system vulnerabilities**, reinforcing compliance with SOC2 standards and securing functional alignment.
- Developed Rocketium's core offering, **a video editor (similar to Adobe After Effects)** enabling video production at scale.
- Developed functionalities such as precise timeline manipulation, keyframe movements, and layer snapping.
- Spearheaded the design and implementation of a **unified logging system** to capture and consolidate frontend and backend data.
- Resolved long-standing on-call issues including unintended logout, improper dummy project creation, and blocked image exports, improving service reliability.

SDE - I | Rocketium

May 2021 - July 2022, Bengaluru, India

- Engineered custom data filter solutions, streamlining data analysis for Creative Analytics platform used by likes of Airtel, ADA, Rappi.
- Enhanced algorithm efficiency in **front-end data calculations** to support rapid processing of heavy assets, improving operational capability to handle large datasets.
- Reduced data processing lag by transitioning critical calculations in partnership with backend developers, increasing efficiency.
- Employed a fail-fast approach in front-end data handling, facilitating quick issue identification and resolution for project success.
- Developed a new animation engine utilising the **Web Animation API (WAAP)**.
- Upgraded user interface components within the video editor to provide a seamless and intuitive user interaction.

EDUCATION

Bachelor of Technology, Computer Engineering | Mumbai University

8.8/10 CGPA, Mumbai, 2021

SKILLS

Programming Languages: JavaScript, TypeScript, Python, SQL, NoSQL

Libraries and Frameworks: React, React-Native, Redux, Redux-Saga, Nodejs, Express, NestJs, puppeteer, Cypress, Jest

Cloud & DevOps: AWS, Git, Github Actions, Docker

Misc: MongoDB, PostgreSQL, AWS Redshift, Redis, Figma

PROJECTS

Argus

github.com/tejastn10/argus, November 2024 -December 2024

- Designed and implemented a lightweight and customizable uptime monitoring service using Go.
- Features include periodic checks for URL availability and response times, detailed status logs, and error reporting.
- Optimized service initiation by streamlining Docker image management from the registry, ensuring prompt deployments.

Verdant

github.com/tejastn10/verdant, March 2024 - March 2024

- Developed an open source template with monorepo architecture using Turborepo, featuring React.js for front-end and NestJS for backend elements to streamline project structure.