

# Shashwat Shaurya

Software Engineer

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## SKILLS

- **Programming Languages** : JavaScript
- **Libraries and Frameworks** : React, NodeJS, Express.js, MongoDB, Redux, MySQL, Webpack

## EXPERIENCE

### FullStack Engineer

Jun 2021 - Present

PayTM

- Orchestrated the development, deployment, and continuous integration/continuous deployment (CI/CD) pipelines for four concurrent applications. Demonstrated comprehensive ownership over two of these applications, overseeing their entire lifecycle from development to production deployment. Proficiently handled monitoring dashboards utilizing industry-leading tools such as Kibana and Grafana, ensuring optimal performance and reliability across the application ecosystem.
- Developed robust code enabling both users and microservices to seamlessly upload and download files from the application's S3 bucket. This implementation facilitated efficient data exchange and enhanced accessibility within the application ecosystem, ensuring smooth operations and optimal performance.
- Spearheaded the migration process of two applications to Webpack 5, with another in the pipeline. This strategic transition resulted in a remarkable 60% reduction in build time and a 23% decrease in bundle size. By leveraging the latest features of Webpack, we achieved enhanced efficiency and optimized performance, ensuring faster development cycles and improved user experiences.
- Devised an end-to-end solution for comprehensive user action logs monitoring system as an alternative to relying on third-party analytics solutions like Google Analytics. This bespoke solution facilitated meticulous tracking and analysis of user interactions within the application, enabling data-driven decision-making and insights generation.
- Employed Lighthouse, a performance monitoring tool, to identify and eliminate unused CSS within the application. This targeted optimization effort resulted in a significant 45% reduction in the initial load time, enhancing overall website performance and user experience.
- Tailored an open-source library's source code to develop a bespoke JSON to PDF converter, akin to the functionality of Swagger. This innovative solution facilitated uniform and seamless generation of API documentation.
- Collaboratively led the migration of the entire login flow to ensure alignment with regulatory compliance standards, working closely with a talented team. Together, we skillfully integrated public-private routing mechanisms and maintained non-concurrent dual sessions, allowing for a seamless transition for new users to adopt the updated flow. This collective effort ensured continued adherence to compliance requirements while minimizing disruption for both existing and new users, underscoring our team's adept handling of complex security and regulatory considerations. Established a comprehensive frontend project from inception utilizing React, Express, Webpack, and Dockerized it ensuring seamless integration and efficient development workflow.

### Engineering Intern

Jan 2021 - Jun 2021

PayTM

- Engineered a robust system enabling the seamless dispatch of bulk emails to targeted recipients, incorporating features such as email template customization and scheduling. Additionally, developed functionality to meticulously manage unsent emails, ensuring they are queued for subsequent delivery, thus optimizing email delivery rates and enhancing communication reliability.
- Spearheaded the implementation of a streamlined process to parse CSV files and efficiently store extracted data into the database, enhancing large scale data management capabilities.
- Engineered a suite of versatile and reusable React components, fostering consistency and scalability across the application's user interface while optimizing development efficiency and maintainability.
- Designed and implemented a simple spend analytics module utilizing Chart.js, empowering stakeholders with intuitive data visualization tools to gain actionable insights and keep a track on spendings.

## EDUCATION

### BIT Mesra

2021

BE/B.Tech/BS in Electronics | 8.1 CGPA

## ACHIEVEMENTS

- Led Robotics Team in Robocon
- Advised IIT-D in organising Robocon India