Sahil **Yadav**

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Education

NSUT, East Campus (AIACT&R)	*New Delhi, India*
Bachelor of Technology (B.Tech)	-

Experience

Thera — *New York*
Software Engineer — *March 2023 – Present*

- Conducted audits and implemented performance improvements. Advised backend team on implementing gzip compression in APIs, **reducing payload size by up to 20x**, leading to significantly improved web app load times.
- **Owned and streamlined critical workflows**, including invoice review, payment processing, and attachment of payment methods, ensuring efficiency and accuracy in financial operations, which consistently handled hundreds of thousands of dollars in monthly payments.
- Collaborated within the team to enhance the frontend of the application, **implementing technical improvements** that supported the company's growth trajectory, which saw a threefold increase in scale.

Oneistox — *Gurgaon*
Software Engineer — *July 2022 – February 2023*

- Collaborated with the frontend team to improve existing coding practices and processes.
- **Setup AWS Amplify** to integrate a third party CMS with the existing product to improve existing content workflows.
- Worked on **revamping critical systems** to improve user journey and user retention rate.
- Improved website **performance by 100%** on mobile.

Perceptiviti — *Gurgaon*
Software Engineer — *February 2021 – July 2022*

- Hired and trained the frontend team.
- **Setup a CI/CD pipeline** for the frontend stack.
- **Developed a data analytics platform from scratch** for insurance providers while collaborating with various stakeholders.
- Handled all frontend tasks, including designing, developing, deploying and maintaining multiple products.
- Migrated multiple products from SSR in Django to CSR in ReactJs, thereby **improving loading performance by upto 200%**.
- Deployed products on AWS CloudFront to act as a CDN and a reverse proxy to improve loading performance, availability and **reduce deployment cost by more than 10 times**.
- Created hybrid webapp with ReactJS CSR, Django Templates SSR and configured NGINX to serve the same, also introduced gzip to the existing configurations to **reduce file sizes by upto 3 times**.
- Added multiple frontend and backend features to multiple products.
- **Improved caching** by improving backend handling of static resources.

Skills

Frontend: HTML5, CSS3, JavaScript (ES6+), ReactJS, TypeScript, Redux, NextJS, Tailwind CSS
Backend: Python (Django), Node.js
Cloud: AWS CloudFront (CDN), AWS S3, AWS Lambda, AWS API Gateway, AWS Amplify
Misc: Bash Shell, Git, GitHub Actions

Projects

Resto — *JavaScript (EJS), Node.js (Express), MongoDB (Mongoose)*

Resto lets you view, add, edit and delete restaurants, and leave reviews for the restaurants you've visited after signing up. You can also upload images of the restaurants.

https://ressto.herokuapp.com

QuackPolls (Ongoing) — *React.js, Node.js*

QuackPolls lets you create and vote on polls. It also lets you make your polls private and share the links to a limited audience. QuackPolls lets you sign up to keep track of your polls.

https://quackpolls.herokuapp.com/