

Prabal Pratap Singh

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SKILLS

Technologies Python, NodeJs, ExpressJs, JavaScript, TypeScript, ROR, Django Rest Framework, Postgress, MongoDB, MySQL, Kubernetes, Docker, Selenium.

Tools Git, GitHub, Bitbucket, Postman, Jenkin, AWS, GCP, Grafana, DataDog, Mackoon, Redash, MetaBase.

EXPERIENCE

Snapmint | SDE-1 Backend Developer May 2023 - Present

- Developed a credit bureau microservice handling Experian's operations, improving credit assessments, utilizing data streaming to handle large experian responses which is upto **4mb**.
- Created a layer-one microservice for a multilayer architecture, optimizing scalability and modularity
- Designed and implemented a robust KYC microservice in Node.js, seamlessly fetching data from CKYC India and storing it in MongoDB and AWS S3. Integrated flawlessly with a Ruby service using Ruby on Rails, managing over **9k** requests per minute with an average database call time of **8ms** and API latency of **20ms**.
- Implemented nightly Selenium-based checkout tests using Python, which execute checkout flows in Chrome, generate reports, and upload error screenshots to **AWS S3** for analysis and documentation.
- Wrote unit test cases for multiple services and encompassed them into the GitHub workflow, triggering test execution immediately upon the creation of a pull request (PR).

Krishify | SDE Intern Backend Developer July 2022 - May 2023

- Developed and maintained Notification micro-services, which automated the notification process for the Krishify app. Sending **half a million** notification everyday.
- Engineered a lead generation system from user checkout funnel data, prioritizing assignments to the sales team, enabling conversion into orders within the system, handling **thousands** of leads and converting them into **hundreds** of orders daily.
- Enhanced performance by optimizing database queries across microservices and implementing Replica DB to distribute the load, resulting in a significant reduction in query time from **1-2 s** to **200-500 ms**.
- Assisted in the testing and deployment of software releases.
- Worked on various e-commerce projects and integrated multiple services to improve the overall ecomm experience.

PROJECTS

Fruit and Vegetable Recognition [Github](#) | [Kaggle](#)

- The primary goal of this project was to use several machine learning models to recognize various fruits and vegetables in an image or in a video with accuracy of **96 percent**.
- Technologies used: Python, ResNet50, SVM, CNN

Portfolio Website [Github](#) | [Deployment](#)

- A personal website showcasing skills, projects, and experiences. The website is a testament to my proficiency in **web development, design, and programming**.
- Technologies used: HTML, CSS, JAVASCRIPT.

EDUCATION

Bachelor of Technology | Computer Science Engineering CGPA: 7.61 / 10.0

Lovely Professional University July 2019 - July 2023