

Rishabh Kanojiya

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EDUCATION

Binghamton University, State University of New York

Master of Science in Computer Science

Aug 2023 - May 2025

Thakur College of Engineering and Technology

Bachelor of Engineering in Electrical and Electronics Engineering

Aug 2016 - May 2020

TECHNICAL SKILLS

Programming Languages: Go, Java, TypeScript, Python, C, C++

Technologies: Spring Boot, Gin, NodeJs, Django, PostgreSQL, React.js, Redis, Kafka, Terraform (IaC), AWS, Docker, Kubernetes

Concepts: RESTful APIs, CI/CD, Microservices, Agile, TDD, Scalability, OAuth, Distributed Systems, MVC Architecture

PROFESSIONAL EXPERIENCE

Flow AI, Backend Engineer

Jul 2024 – Sep 2024

- Optimized **deep learning pipeline** in TensorFlow, achieving **135x training speedup** (45 mins to 20 sec).
- Architected **distributed LinkedIn authentication system** using **Python Celery** and **Go (master-worker pattern)**, reducing server load by **30%** and increasing scraping throughput by **40%**.
- Automated CI/CD AI pipeline with orchestration, scheduled retraining jobs, and automated quality checks.

Shopsense Retail Technologies Pvt. Ltd, Software Development Engineer - 1

Sep 2022 – Jun 2023

- Led **full-stack development as Directly Responsible Individual (DRI)** of **React / Next.js frontend (SPA)** and **Go / Node.js / Spring Boot microservices** backend, improving API stability by **15%**.
- Architected a **Redis-backed rate-limiting** service in **Go / Node.js**, achieving **20% server load reduction** and **15% faster response times**, improving overall API responsiveness and throughput.
- Built **automated testing infrastructure** using **Playwright** on **Kubernetes**, featuring **distributed workers** and **intelligent load balancing**, boosting **code quality** metrics from **70% to 95%** and **reducing production bugs by 35%**.
- Integrated **Kafka** for **real-time event-driven** communication across backend services, improving **scalability** and **decoupling**.
- Engineered a custom **TypeScript-based (ES6+)** SSR framework with multi-language support (10+ languages via **i18n**), reverse proxy routing, and **Partytown** integration, reducing server load by **35%**.
- Built multiple **SSR web applications** (including [upscale.media](#)) with custom SSR implementations and dedicated testimonial pages for both admin and individual interfaces.
- Experience leading **cross-platform application development** and deployment, successfully launching **Android (Java)**, **iOS (Swift)**, and desktop (**Electron.js**) applications to expand user accessibility and market reach.
- Optimized build pipelines** with **Webpack** (server/client bundling) and **Web Workers** for **parallelized** CPU-intensive tasks.
- Demonstrated strong technical leadership through conducting **technical interviews** and mentoring junior developers.

Sportz Interactive, Associate Developer

Nov 2020 – Sep 2022

- Led **cross-platform development** for Dream11's major sports platforms (IPL, World Cup, ISL) using **React.js**, **Redux**, and **React Native** (responsive design) scaling to support **2.8 million** total users and **200K DAU** while maintaining optimal performance.
- Architected and implemented **AWS-based CI/CD pipeline** using **GitHub Actions** with **parallel execution**, reducing deployment time by **70%** and streamlining the release process.

SciTech Center, Data Analyst Intern

Jun 2020 – Jul 2020

- Leveraged **Scikit-learn** to build **machine learning models** for alarm data analysis, enabling **data-driven decision making**, and designed **interactive Tableau dashboards** for **real-time monitoring** and visualization of key metrics.

OPEN SOURCE CONTRIBUTION

[Styled Components](#)

Apr 13, 2024

- Improved SWC documentation to provide better usability for developers, contributing to **10% coverage** of missing content.
- Simplified the learning curve for **5M weekly users** and **40k developers** on GitHub.

PROJECTS

[OrbitDeck](#) — Full Stack Developer

Tech Stack: React.js, Go, Gin, PostgreSQL, Redis, Kafka, Asynq, Java Spring Boot, Docker, Kubernetes (AKS), Helm, Terraform.

- Built a Heroku-style PaaS for Kubernetes-native app deployments with analytics, real-time events, and Helm automation.
- Engineered Go backend with Asynq, Redis, Kafka, and PGSQL, with Spring Boot-based logging and analytics via Redis Pub/Sub.