

MANISH SHARMA

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SKILLS

Languages: Ruby, GoLang, Javascript, Typescript, Python, C++

Frameworks & Databases: Ruby On Rails, Go Gin, React, WebRTC, Phaser, MySQL, Postgres, Redis

Tools & Services: Docker, Nginx, AWS (EC2, LightSail, RDS, Elastic Cache, SES, SQS, Route53, Lambda, ECR, CloudWatch Events, CI/CD, Kinesis), Chef, Datadog, Newrelic, Ghost, Sentry, Metabase, Storybook

Testing: Selenium, Playwright, Capybara, Jest, Gitlab CI


EXPERIENCE

eLitmus Evaluation Pvt Ltd

Bangalore, India



Founding Engineer

Sept 2023 – Present

- Led the **development of product "SCALE"**  from idea to launch, to improve cognitive skills of a user.
- Developed a scalable full-stack solution using Phaser.js, React.js, and Go Gin, deployed with Docker and chef
- Implemented CI/CD pipelines, Led a cross-functional team including Front-End, Back-End, and Deployment.
- Reported directly to the CTO and CEO on product progress and updates, hired and onboarded a team.
- Conducted beta testing by visiting the colleges to gather user feedback for improvements.

Senior Full-Stack Developer

Oct 2022 – Present

- Led the integration of a scheduling system into the assessment platform, enabling multi-day exam scheduling.
- Implemented PII database sharding for compliance with client requirements in the EU and Canada.
- Integrated the AI-powered Vantage essay scoring tool, unlocking automating essay scoring for assessments.
- Migrated the assessment platform from a single-tenant to a multi-tenant architecture, improving scalability and resource efficiency of AWS EC2 instances.
- Developed the Proctoring Platform using Kurento Media Server and 100ms , achieving 0% video drop rate.
- Developed a containerized development environment using Docker, reducing setup time from 1 day to 1 hour
- Developed a public profile page, allowing users to share a link showcasing their details, similar to LinkedIn.
- Enhanced the SEO of eLitmus.com for jobs, gift cards, and public profiles, resulting in 176K pages ranked.
- Led the Ruby upgrade from 2.5.9 to 3.2.0, created 50+ tickets and rolled out in 4 milestones.
- Delivered a POC for upgrading Rails version from 3.2 to 4.2, created 75+ JIRA tickets.
- Developed a platform integrating Telegram for job postings, resulting in a community of 35K subscribers.
- Fixed the CI pipeline to enable system testing on ARM64 (M1 arch) , increasing the Gitlab runner.
- Report directly to CTO; Hired and mentored a team of 6 Full-Stack Developers.
- WebRTC, AWS Kinesis, ECS, ECR, CodeBuild, Docker, Hiring, Rails 7.2, REST API, Rails (3.2, 6.1), Ruby (2.7, 3), Docker, Kubernetes, AWS S3, Postgres 15, Storybook, React, NX Monorepo

Full-Stack Developer

Sept 2021 – Sept 2022

- Developed a Campus Portal, enhancing data accessibility for faculty; decreased reliance on campus teams.
- Contributed to a self-service assessment platform, reducing CS team dependency on assessment deliveries.
- Developed & Integrated APIs for client to access eLitmus users data.
- Rails 6.2, React.js, MySQL, Redis, REST API

Full-Stack Developer Intern

Dec 2020 – Aug 2021

- Migrated 2 million AWS S3 records from Paperclip to Active Storage, unblocked the upgrade to Ruby 3.
- Implemented backend for various user clubs within the Gift card system, enabling privilege benefits for user.

OPEN SOURCE / PROJECTS

RubyOnRails (Open Source)  | [Rails](#), Ruby, ActiveRecord, ActiveSupport

Dec 2023 – Present

- Notable Change: Fixed bugs in ActiveRecord and ActiveSupport framework.

Golang - Gin JWT (Open Source)  | [Go](#), JWT, Gin-Gonic


Jul 2024

- Notable Change: Integrated option to Set Cookie using *GinJWTMiddleware.

Knights Watch Gem (Open Source)  | [Ruby](#), Rails, Redis, Javascript, WebRTC

Oct 2022 – Dec 2022

- Integrated Video Proctoring client side application using 100ms.live service.

Hibernate Gem  | [Ruby](#), AWS EC2, CloudWatch, EventBridge, Lambda, IAM

Oct 2024 - Present

- Automates the start/stop of AWS EC2 instances based on CloudWatch Events using an AWS Lambda.

EDUCATION

UTU, Bipin Tripathi Kumaon Institute of Technology

2017 – 2021

B.Tech - Computer Science and Engineering - **CGPA - 9.2**

Dehradun, Uttarakhand