

Shubham Rajput

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EDUCATION

DELHI TECHNOLOGICAL UNIVERSITY

M.TECH IN COMPUTER SCIENCE &
ENGINEERING
Jul 2020 | Delhi, IN

LINKS

Github: shubhamrajput
HackerRank: shubham02
LinkedIn: shubhamrajput
Codechef: shubham025

COURSEWORK

SOFTWARE

Object Oriented Programming
Software Engineering Tools Lab
(*BASH & Python*)
Data Structures
Programming in C/Java
Operating System
Computer Networks
Compilers

SKILLS

Languages: TypeScript, JavaScript, Go, Python, Ruby, PHP
Backend: Node.js, NestJS, Rails, Elasticsearch, MySQL
Infra & Tools: KEDA, Git, New Relic, CI/CD
Frontend: React, Next.js, Redux

EXPERIENCE

HACKERRANK | SDE2 - BACKEND

Apr 2024 - present | Remote, IN

- Led the email table migration to support emoji storage for one of the largest tables in the system by fixing collation inconsistencies at both column and table levels. Also identified and resolved a hidden DB connection-string collation issue that blocked emoji inserts across multiple services.
- Handled high-priority support and production issues as the on-call engineer, ensuring minimal downtime and quick turnaround for customer-facing incidents.
- Implemented event-driven autoscaling using KEDA to dynamically scale the Code Quality microservice based on queue load, improving performance.
- Built a dynamic email pipeline for Engage platform event invitations and reminders, allowing recruiters to customize content, inject personalized variables before sending via Postmark.
- Integrated Google Analytics Reporting API to fetch and process page views by pagePath, enabling data-driven insights for microsite engagement tracking.
- Used OpenAI Batch API with optimized batching and prompt engineering to extract roles and key skills from large candidate datasets efficiently and cost-effectively.
- Migrated Elasticsearch index data and ingestion pipelines to a new cluster, including re-indexing, mapping adjustments, and testing ingestion jobs - ensuring minimal downtime and data integrity.
- Collaborated with the Community team to design and develop backend APIs supporting the university hiring flow, ensuring smooth integration with Engage system.
- Refactored and stabilized the email campaign workflow execution logic, significantly reducing failure rates and improving reliability.
- Implemented alerts to capture and monitor workflow failures, enabling faster debugging and better visibility for the team.

VIMEO | SOFTWARE ENGINEER 2 (IC2 LEVEL)

Jul 2021 – Mar 2024 | Bangalore, IN

- Designed a private upload workflow that allowed clip creation by reusing existing metadata and media assets, eliminating redundant transcoding and significantly reducing processing time.
- Shipped a demo video creation feature as an A/B experiment, enabling users to create clips without uploading videos and improving activation.
- Improved safety and correctness in a large PHP codebase using Psalm-based static analysis.
- Published private NPM packages to JFrog Artifactory.
- Contributed to unifying user registration flows across multiple stacks through experimentation and incremental rollout.
- Developed in-house CMS on top of [Builder.io](#) to enable the marketing team to update/build website content without the need for coding.
- Collaborated with SRE teams to integrate CI/CD pipelines for Builder.io-based pages and used New Relic to diagnose production issues.
- Improving website SEO (used multiple JSON-LD schema, [JobPosting](#) schema)