

# KARAN YADAV

✉ [karanydv.work@gmail.com](mailto:karanydv.work@gmail.com)

🐙 [github.com/karan-ydv](https://github.com/karan-ydv)

🌐 [karanydv.tech](https://karanydv.tech)

## Technical Skills

---

**Languages/OS:** Ruby, Python, Java, C, C++, SQL, Javascript, HTML/CSS, Bash, Linux

**Technologies/Frameworks:** Ruby on Rails, Rspec, Sidekiq, Django, Django Rest Framework, Git, AWS, Docker, Github Actions, Postgres, SQLite, DynamoDB, S3

**Coursework:** Data Structures and Algorithms, DBMS, Design Patterns, SOLID Principles, Distributed Systems

## Experience

---

### Procol

July 2022 – Present

*Software Engineer*

*Gurugram, Haryana*

- **Tech Stack:** Ruby on Rails, Postgres, DynamoDB, Sidekiq, Redis, Docker, Github Actions
- Developed new strategies and improved functionalities of the core e-sourcing auctioning module of the Procol SaaS.
- Enabled BOQ auctions requiring scaling up to 10x the currently capacity of a single auction by optimizing architecture, queries, and caching.
- Successfully built and deployed large scale projects such as a internationalization, time zone localization, approval flows, bidding logs report and purchase order reordering - involving critical architecture changes and database migrations.
- Implemented an optimized Excel Engine for parsing excel files and generating reports resulting in 2 times faster speeds.
- Built a microservice for seamless data integration with ERP systems over FTP protocol for large enterprise client needs.
- Proactively profiled and optimized most used APIs, reducing the latency from 2-3s to under 500ms for some use cases.
- Led initiatives for refactoring, styling guidelines, type checking, and best practices to improve code maintainability.

### Procol

May 2022 – June 2022

*Software Engineer Intern*

*Gurugram, Haryana*

- Implemented a permission/authorization system to view/edit users and vendors based on user groups and hierarchies.
- Lead the development of timezone support for international clients, necessitating comprehensive modifications throughout the codebase including adapting Sidekiq jobs to ensure accurate scheduling and execution in various timezones.
- Developed a vendor categorization feature using tagging, enhancing user experience by enabling efficient filtering during auction processes.

### Josh Technology Group

Feb 2022 – May 2022

*Software Engineer Intern*

*Gurugram, Haryana*

- Developed Poker Planner, a collaborative agile resource estimation tool for internal use, using Django and React.
- Created REST APIs for user signup, login and to create, invite, vote in planning sessions using Django Rest Framework.
- Added live group chat functionality and real time updates of voting estimations using django channels and websockets.
- **Tech Stack:** Python, Django, Django Rest Framework, Redis, Postgres, HTML/CSS, React

## Projects

---

### Online Test Portal 🐙 | *Django, REST API, SQLite, Heroku*

- Platform created with Django and React to conduct online test and automatic grading of mcq and text based questions.
- Implemented CRUD endpoints for user signup, test registration and participation with JWT based token authentication.
- Added functionality to admin dashboard for creating questions, tests and observing and grading submissions of students.

### Frontend Mentor 🐙 | *HTML, CSS, Javascript, SASS*

- Practiced fundamental html/css concepts like flex, grid, input validation, etc. by creating modern responsive webpages.
- Learned various image and media handling techniques, as well as forms, to enhance webpage aesthetics and functionality.
- Used IMask.js along with vanilla javascript to prevent invalid inputs, implementing more sophisticated form validations.

## Achievements

---

- Reached 5 Star at [Codechef](#), placing under 100 ranks multiple times with a highest rating of 2077.
- Attained an Expert rank at [Codeforces](#) with a highest rating of 1680, having solved over 1000 problems.
- Secured a team rank of 178 in the highly competitive ACM ICPC Gwalior-Pune Regionals Contest 2021.
- Secured notable rankings in Google Kickstart 2021 with best ranks of 423 and 526 from 20k participants
- Advanced to the Finals in Infosys - Hackwithinfy 2021, earning a position among the top 100 participants.

## Education

---

### Dr. APJ Abdul Kalam Technical University

*Bachelor of Technology in Computer Science and Engineering*

*July 2018 – July 2022*