

Aditya DS

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EDUCATION

B.Tech + M.Tech Electronics and Communication Engineering

Jun 2018 - Jul 2023

Indian Institute of Information Technology, Kancheepuram, Chennai, India 8.7

WORK EXPERIENCE

Software Engineer (SDE-1)

Jun 2023 - Present

Powerplay, Bengaluru, India

- **Point of Contact for Mid-Market requirements**, leading the transition from small to medium businesses. Managed everything from requirement gathering to ensuring a smooth release and successful adoption, resulting in a **5x increase in ticket size**.
- Developed the **Onboarding flow**, which improved client experience by reducing the **Time to Value (TTV) from 1 month to less than a week**.
- Laid the ground work for integrating **Custom Fields** across different modules in our product, which allowed users to track and manage additional data specific to their needs.
- Integrated **ClickHouse for analytics**, syncing data from MongoDB to ClickHouse and utilizing it to build dynamic dashboards on the frontend.
- **Took ownership of debugging and resolving critical issues with the job server**, improving its reliability and reducing failure rates. Also, **centralized job monitoring** by building a dashboard to track the status of different jobs.
- Achieved a **40-50x speedup in the initial sync** of large data volumes from MongoDB to **Elasticsearch**, significantly improving performance.
- Developed an **internal tool for debugging Webviews**, enabling faster debugging for QAs and developers.

SKILLS

Languages	JavaScript, C++, GoLang, Python
Frameworks	Node.js, Express, React, Next.js
Technologies	Elasticsearch, Kafka, MongoDB, ClickHouse, Nginx
DevOps	Github Actions, Docker, AWS, GCP, Git

PROJECTS

Skribblrs.io *Node.js, Express, Socket.io*

<https://github.com/Aditya-ds-1806/Skribblrs.io>

An online turn-based, multiplayer, drawing and guessing game with support for multiple Indian languages.

Chess PGN Parser *JavaScript, Rollup, Terser*

<https://github.com/Aditya-ds-1806/Chess-PGN-Parser>

An npm package to parse PGN files into JSON, which can be used to load games from a PGN file into a chess board online.

Raga Classifier *Python*

<https://github.com/Aditya-ds-1806/Raga-Classifier>

Classified music inputs by using DFT for noise removal, analysing swara ratios and clustering frequencies with Fisher-Jenks algorithm.

OPEN SOURCE

Alar.ink

Golang

Built a voice corpus of 150,000 words for Alar, an online Kannada to English dictionary, and helped integrate it into the dictionary to provide pronunciations.

Auto-DL

Github Action, JavaScript, Python

Developed pipelines to build and distribute downloadable binaries for Linux and Windows, and implemented a UI to facilitate this feature.