

Aditya Pandey

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WORK EXPERIENCE

AdityaWorks.com

Aug 2021 - Aug 2022; Aug 2013 – May 2016

Freelance Software Engineer

New Delhi, IND

- Developed desktop application, user dashboard and backend for **Tape.sh** (*TypeScript, Electron, RedwoodJS, Next.js, Postgres*). Optimised video files for optimal streaming using high compression codec, ffmpeg and conditional configuration. Configured *GitHub CI* to reduce deploy time from 4-6 hours of manual efforts to within 10 mins.
- Developed custom solutions for various clients, with a strong emphasis on user experience & design. Notable clients are teamstream.gg, La Urbana, Jack Rose Bar & Planwise.

Dkatalis Labs - Bank Jago

Oct 2020 – July 2021

Software Engineer

Pune, IND

- Collaborated cross squads to develop the microservice for offers and promotions. (*TypeScript, Node.js, MongoDB Apache Kafka, Redis*). Contributed to the development and launch of a new bank in Indonesia.
- Built a highly available BigQuery streaming service that processes financial transactions and sends notifications to users in batches (40k to 100k users in a batch). Features are load distribution, idempotent requests, & auto-retry.

Tourio

Jan 2017 – Sep 2020

Co-Founder (Tech)

New Delhi, IND

- Led engineering team of 6 people. Pitched to various investors. Invited for Startup India Global VC Summit '19.
- Architected & built Tourio app (*Android – Java, Kotlin, AndroidX Components/ Server - AWS, Docker, Node.js, MongoDB*) that works as a location-aware audio guide for tourists attractions (example- Taj Mahal). Achievements include offline support, a scalable packaging system and automated setup for GDPR compliance.
- Developed a feature-rich internal platform for app management (*React, Node.js, MongoDB, Redis*). Main features are GIS plotting of map, content management, analytics & flexible discount System for end-user & partners.
- Fixed a bottleneck in packaging system by compiling assets ahead of time, resulting in 75% faster response time.

ADDITIONAL ACTIVITIES

RedwoodJS

Oct 2021 – Present

Teach for India

Nov 2020 – April 2021

Core Maintainer - Open Source

Remote

Volunteer

New Delhi, IND

Contributed to improved test runner performance. Pushed several updates to CLI commands. Triaged issues and PRs. Involved in community discussion.

Assisted Teach for India fellows with conducting online digital literacy classes, designing modules, and helping provide differentiated support to the kids.

EDUCATION

University of Colorado Boulder

Aug 2022 – May 2024 (expected).

Master of Science, Computer Science

Boulder, CO

Developing flight planning and routing interface (*TypeScript/ React/ Vite/ Leaflet*) for a research project about augmenting rescuer's ability to find a missing person, part of Autonomous Decision and Control Lab.

Dr. A.P.J. Abdul Kalam Technical University

Aug 2013 – Jun 2017

Bachelor of Technology, Computer Science & Engineering

Ghaziabad, IND

Organized workshop on "Linux Systems"; Won 1st rank in Hackathon 2016 for "Connected Home Standard APIs".

SKILLS

- Languages/Tech:** TypeScript, Node.js, React.js, Java, Apache Kafka, SQL, NoSQL, Docker, HTML, CSS
- Other:** Software Design, Design Patterns, Android Dev, Web Dev, Product Management