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*
Collaborating with core team and community for next   Assisted Teach for India fellows with conducting online
major release. Activities include feature development,   digital literacy classes, designing modules, and helping
bugs fixes, triaging issues and code reviews.   provide differentiated support to the kids.

EDUCATION

University of Colorado Boulder   **Aug 2022 – May 2024** projected
Master of Science, Computer Science   *Boulder, CO*

Dr. A.P.J. Abdul Kalam Technical University   **Aug 2013 – Jun 2017**
Bachelor of Technology, Computer Science & Engineering   *Ghaziabad, IND*
Organized workshop on "Introduction to Linux"; Won 1st rank in Tech Hackathon 2016 for "Vendor API standard for open connected home" organised by Tech Mahindra.

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