

# THENDUP TSERING

SENIOR FRONT-END SOFTWARE ENGINEER

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## WORK EXPERIENCE

**Senior Front-End Software Engineer + Team Lead** [Jan 2021 - Dec 2023]  
**ThinkData Works**

- Led a 9-engineer team overseeing roadmap planning, resource allocation, and front-end feature delivery, while mentoring 3 front-end engineers for their professional growth and development.
- Spearheaded the development of 15+ front-end epics/features for the company's client-facing flagship product. Key achievements:
  - Pioneered the successful year-long migration of the entire codebase from Angular to React w/TypeScript, unlocking enhanced feature-building capabilities for the team, while also delivering significant improvements in performance and maintainability.
  - Designed and built a sophisticated dataset sharing UI, enabling users to precisely configure sharing settings and partial views for datasets to give tailored access to other organizations, groups, or individuals, increasing usability and enforcing robust governance controls.
  - Directed the development of a feature gating UI, allowing users on basic trial plans to visualize, customize and control feature access, driving a significant uptick in enterprise plan upgrades.
- Acted as the first responder for critical production issues, swiftly resolving front-end issues to facilitate rapid hot-fix releases, resulting in minimal downtime and enhanced client satisfaction.

**Senior Front-End Software Engineer** [Jan 2019 - Dec 2020]  
**Front-End Software Engineer** [Jan 2017 - Dec 2018]  
**ThinkData Works**

- Coordinated front-end feature delivery for the flagship product on a 2-week cycle, employing QA workflows e.g. manual and E2E testing with Cypress.
- Implemented a robust RBAC-based authorization layer across the entire app for secure data access, resulting in enhanced data security and compliance.
- Engineered a rich app-wide search UI for data(and metadata) discovery and retrieval processes, enhancing efficiency and user experience.
- Identified and remediated codebase sections that were impeding feature development or bug resolution, leading to minimized development blockers and hence increased team productivity.

**Front-End Software Engineer (COOP)** [May - Dec 2015, May - Aug 2016]  
**ThinkData Works**

- Executed on a variety of front-end features and enhancements for the core product, contributing to its continued evolution and growth.
- Expanded expertise in web development by implementing features with responsive design principles and adeptly identifying and resolving bugs.

**Jr. Software Engineer (COOP)** [Sep - Dec 2014, Jan - Apr 2014]  
**VIBE SMG Inc.**

- Redesigned layout and function for various platform modules by using HTML, JavaScript and CSS.
- Performed testing on both desktop and mobile devices.

## SKILLS

### Languages

- TypeScript
- JavaScript (ES6+)
- HTML5
- CSS3 (SASS)

### Frameworks and Libraries:

- React
- Redux & Redux Toolkit
- Node.js
- AngularJS
- jQuery

### Tooling:

- Webpack
- Yarn
- NPM

### Version Control:

- Git / GitHub

### Testing:

- Cypress

### Backend/DevOps (basic):

- Kubernetes
- Docker
- Twirp
- Protobuf
- Ruby

## EDUCATION

### University of Waterloo

Bachelor of Computer Science CO-OP  
June 2017

## LANGUAGES

- English (Native)
- Swahili
- Hindi
- Nepali
- Tibetan