

## WORK EXPERIENCE | 9+ Years

**Thoughtworks** | Senior Consultant - Developer | Feb'21-Present

### • Mobile/Netbanking Login Journey

- Developed and optimized a login service with Authentication & Authorization which supports daily ~2 million users for a leading private bank in India.
- Support for login via modes like Password, Mpin, OTP, Biometric
- Worked on secure login, and device invalidations using device identities.
- Improved performance by 50%, ~2 seconds in log-in flows using Refresh tokens & Predictive caching.
- Tech: Go, Kafka, Oracle DB, Redis, OAuth2, Docker, Kubernetes, React, React-native**

### • Mobile/Netbanking Registration Journey

- Designed architecture and implemented dynamic screens in mobile registration flow using state machines which support daily ~15k-20k users.
- Reduced registration journey time significantly by designing accelerated registration with prepopulated customer information using UTM information on the Android platform.
- Wrote and maintained Kubernetes deployment and CICD pipelines for deployments of multiple microservices.
- Tech: Go, Kafka, Oracle DB, Redis, OAuth2, Docker, Kubernetes, React, React-native**

### • Universal Search

- In-app search service that allows users to search pages, FAQs, investments, and offers.
- Implemented cloud design patterns like circuit breaker and predictive caching to improve search performance.
- Dataset of over 90 million members with 100K clicks per day
- Tech: Go, Redis, Elasticsearch**

**Zycus Infotech Pvt. Ltd.** | Tech Lead | Dec'18-Feb'21

- Led a team of 6 developers to develop a product from scratch that helps businesses procure items across geography.
- Worked closely with the DevOps team to understand the infrastructure and deploy services in production.
- Set up the BFF server using the company's in-house framework and handled integrations with other products in the suite.
- Tech: Java, Nodejs, Redis, Oracle DB, ActiveMQ, Angular**

**L&T Infotech.** | Senior Software Engineer | Jun'15-Dec'18

- Developed an Incident management portal for the Java Spring framework.
- Developed a SharePoint portal for delivering account statements over email and fax.
- Developed SSIS utilities for various integrations for ERP systems.

## SKILL SET

- Architecture - System Design, Domain & Event-Driven designs, Microservices, REST APIs
- Backend - Golang, Java, Nodejs
- DevOps - Docker, Kubernetes, GoCD
- Orchestration - Kafka
- Database - Oracle, MongoDB
- Search Engine - Elasticsearch
- Frontend - Javascript, React

## PERSONAL PROJECTS

<https://akshaynaik.net/projects/>

### • feline (Rust learning project).

- Aiming to be a fast and reliable (Redis-like) asynchronous in-memory data store for caching (WIP).

### • WSTP

- Simple Work Stealing Thread Pool in Java.

### • TextHighlighter

- Android library to show highlighted and styled text in Android apps.

### • DepInjector

- Simple dependency injection framework in Java which imitates spring ApplicationContext and Autowiring features in a limited scope.

## ACADEMICS

### • Bachelor of Engineering: Information Technology

- Vidyalankar Institute of Technology (2012-2015)

### • Diploma in Computer Engineering

- Yadavrao Tasgaonkar Polytechnic (2009-2012)