

## Skills

Dart, Flutter, BLoC, Drift, SQLite, GoRouter, Protocol Buffers, React, PostgreSQL, Node.js, Express, Redux, TDD, Jest, Enzyme, RESTful APIs, GraphQL, Git

## Work Experience

### Fullstack Developer - Tata Consultancy Services

August 2022 - Present (3 Years)

#### Day to Day Responsibilities

- Worked on a project management SPA built using React, Node, PostgreSQL and GraphQL for users to track different aspects of their factories using KPIs, graphs, tables and reports.
- Conceptualized and delivered 15+ comprehensive dashboards, often developing both front-end and back-end.
- Optimized the performance of SQL queries and developed multiple back-end stories.
- Mentored junior developers on the codebase and requirements, while conducting in-depth code reviews to enforce coding standards, validate database/API design, and catch logical issues.

#### Performance Improvements and Code Refactors

- Migrated UI and API codebase and dependencies from Node 8 to 12, and later to Node 20. Also migrated the Jenkins pipeline and reduced deployment time from 30 minutes to 12 minutes.
- Implemented route-based code splitting and optimized caching with a service worker (Workbox), reducing page load time by 84%.
- Used SQL operations, AWS S3 and cron jobs to pre-generate reports to reduce download time from 6 minutes to 2 seconds.
- Led the redesign efforts for a dashboard by creating components with unit tests and applying Test Driven Development. Refactoring and code reuse reduced development time by 24 days.

#### Awards and Recognition

- Recognized with the Star of the Quarter Award.
- Received the highest rating in two appraisals.
- Participated in weekly internal coding contests and won ₹1,000 worth of vouchers.
- Cleared internal technical and soft-skills assessment in first attempt.

## Projects

### Moderation - Financial Planner

Deployed to Android Play Store

- Built using Flutter, BLoC for state management and Drift & SQLite for storing user data.
- Applied Clean Architecture principles to structure the codebase into data layer, abstract repository, repository implementation, service layer, and feature modules.
- Used Protocol Buffers to serialize user events to create encrypted data backups.
- Built a custom code generator (using source\_gen and analyzer) to auto-generate randomized test data for event classes, for validating backup and serialization functionality.
- Integrated with Google Cloud APIs (Drive and Sheets) to support encrypted data backup/restore and loading investment data.
- Wrote integration tests and database migration tests for backwards compatibility.
- Used AdMob to display rewarded ads and RevenueCat for premium subscriptions.
- Features Implemented - Budget Planner, Shopping Lists, Data Backup, Habit Tracker, Analytics, Excel Data Import and Liquidity Alerts.

## Coding Profiles

### GitHub

github.com/AshishS-1123

54 repositories, 4 badges, 60 stars earned and 5 open-source contributions.

### Stack Overflow

stackoverflow.com/users/14405606/ashish-shevale

Answered 30+ questions, 10 badges and 370+ reputation.

## Education

### B.E. Electronics and Telecommunications

CGPA: 9.5

Government College of Engineering and Research, Avasari