

# Swapnil Muley

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**Medium:** [medium.com/@gdswnil11](https://medium.com/@gdswnil11) | **GitHub:** [github.com/swapnilmuley](https://github.com/swapnilmuley)

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## Professional Summary

Experienced Software Engineer with 9+ years in front-end development, specializing in Angular (2–19), React, JavaScript, TypeScript, HTML, and CSS. Proven expertise in leading development teams, architecting scalable UI solutions, and optimizing performance of enterprise-grade applications.

Strong experience in Agile delivery, CI/CD pipelines (Jenkins), code quality governance, and DevOps-enabled frontend workflows. Passionate about building accessible, high-performing, and user-friendly applications while upholding best practices and modern UI engineering standards.

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## Technical Skills

**Frontend Technologies:** Angular (2–19), React, JavaScript, TypeScript, HTML5, CSS3, SASS, RxJS, Bootstrap, Tailwind CSS, Material UI, Web Accessibility (WCAG 2.2)

**State Management:** Redux, NgRx, ngx, Zustand, Context API, BehaviorSubject

**Testing Frameworks:** Jasmine, Karma, Jest, Cypress

**Performance & Optimization:** Webpack, Lighthouse, Lazy Loading, Code Splitting, OnPush Change Detection

**Architecture Patterns:** Micro Frontends, Module Federation, Monorepo (Nx, Lerna), Component-driven architecture

**DevOps & CI/CD:** Jenkins, GitHub Actions, Docker, SonarQube (Code Quality), CI/CD Pipelines

**Version Control:** Git, GitHub, GitLab, Bitbucket

**Collaboration Tools:** Jira, Confluence, Slack, Trello

**AI Tools:** GitHub Copilot, Cursor

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## Professional Experience

### Delivery Project Lead

**Mphasis** | Pune | August 2025 – Present

*Client: JPMC*

Defined project scope, timelines, and deliverables, aligning with JPMC's technology and business goals. Led cross-functional teams (developers, QA, UX, DevOps), ensuring seamless

collaboration and delivery.

Acted as primary client liaison, providing transparent communication and stakeholder management. Established risk mitigation strategies and proactively resolved delivery issues.

Ensured adherence to governance, coding standards, and compliance frameworks. Implemented CI/CD pipelines with Jenkins to automate builds, testing, and deployment. Tracked KPIs, managed budgets, and delivered progress reports to leadership and stakeholders.

## Staff Engineer

**Altimetrik Pvt. Ltd.** | Pune | September 2024 – August 2025

*Client: Citi Bank*

Architected and led frontend development for financial applications using Angular 17. Implemented scalable and reusable UI components, enforcing security and performance best practices.

Integrated RESTful APIs and optimized async workflows using RxJS operators. Conducted code reviews, mentoring sessions, and knowledge sharing across teams.

Improved app efficiency via OnPush change detection, lazy loading, and code splitting. Collaborated in Agile ceremonies (planning, grooming, retrospectives). Integrated Jenkins CI/CD pipelines for automated deployments and regression checks.

## Tech Lead

**Torana Inc.** | Nagpur | July 2018 – August 2024

*Projects: iceDQ (NextGen) – 3 years | [Electrik.Ai](#) – 2 years | Knowledge Graph – 1 year | CircleYard – 1 year*

Led frontend teams building enterprise-grade applications in Angular (9–17) and React. Implemented Micro Frontend architecture (MFE), Monorepo (Nx, Lerna), and CI/CD pipelines (Jenkins).

Drove web accessibility adoption (WCAG 2.2, ARIA roles, semantic HTML) for compliance. Enhanced performance optimization through code splitting, virtualized lists, and lazy loading.

Conducted unit and integration testing (Jasmine, Karma, Jest, Cypress). Designed data visualization dashboards (Angular + D3.js) for Knowledge Graph project. Established developer workflows with GitHub Actions, Jenkins, and Docker for frontend builds.

## Frontend Developer

**Royal Developer** | Nagpur | September 2016 – June 2018

Built mobile and web applications using Ionic 2, Angular, TypeScript, HTML5, and CSS3. Developed secure authentication, order tracking, and payment integration features.

Optimized mobile performance and deployed apps to app stores. Wrote unit tests and improved performance benchmarks across multiple projects.

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## Key Projects & Achievements

### **iceDQ (NextGen) - Data Quality Platform**

Led frontend development for enterprise data quality application using Angular 9-17. Implemented micro frontend architecture, real-time data validation dashboards, and complex data visualization using D3.js.

### **Electrik.Ai - AI-Powered Analytics**

Architected scalable UI for AI-driven analytics platform with React and Angular. Implemented state management with Redux/NgRx, optimized rendering performance for large datasets, and ensured WCAG 2.2 accessibility compliance.

### **Knowledge Graph - Data Visualization Dashboard**

Designed interactive graph visualization tool using Angular and D3.js, featuring hierarchical layouts, dynamic node connections, zoom/pan capabilities, and real-time data updates.

### **CircleYard - Community Management Platform**

Built responsive web application for community management with Angular, featuring real-time notifications, user management, and event scheduling capabilities.

### **Family Tree Visualization Tool**

Created interactive family tree diagram using D3.js and dTree.js with Angular integration for visualizing complex family relationships with fixed hierarchical layouts.

### **Reusable NPM Packages & Open-Source Contributions**

Developed and published multiple NPM packages including invoice generator, JSON formatter utility, graph/node layout library, and Angular security toolkit for vulnerability scanning and SSL/TLS validation.

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## Education

### **Master of Science (Computer Science)**

Nagpur University, Nagpur

### **Bachelor of Computer Application**

Nagpur University, Nagpur

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## Additional Information

**Community Engagement:** Active contributor to open-source projects, technical blog writer on Angular and web security topics, organizer of cricket tournaments and community events

**Languages:** English (Fluent), Hindi (Native), Marathi (Native)

**Availability:** Open to new opportunities and challenges