

# AMIT CHOWDHARY

Agile Front-end Architecture | ReactJS & TypeScript  
Engineering Leadership

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GitHub: <https://github.com/amit641>

Results-driven professional, targeting roles in **Front-end Architecture, Reactjs, and Engineering Leadership** to build scalable, high-performance digital platforms while driving technical excellence, innovation, and business impact within a growth-oriented organization.

## PROFILE SUMMARY

- ❖ **Front-end Engineering Leader** with nearly **10 years of experience** in architecting **scalable, high-performance web applications** across **Conversational AI, Banking, EdTech, Travel, E-commerce, and Enterprise technology domains**.
- ❖ Expertise in **ReactJS, TypeScript, Frontend Architecture, Microfrontend, Monorepo, JavaScript, API Integration, and Performance Engineering**, delivering secure, maintainable, and enterprise-scale front-end platforms.
- ❖ Proven capability in **technical leadership, driving engineering excellence** through solution architecture, code quality governance, mentoring, Agile delivery, and cross-functional stakeholder collaboration.
- ❖ Strong background in building reusable **UI frameworks, developer-centric platforms, accessibility-compliant applications (WCAG/ARIA), CI/CD-driven delivery models**, and scalable front-end ecosystems that improve engineering efficiency and user experience.
- ❖ Delivered **measurable business impact** by reducing customer **on-boarding time from over one month to nearly one day** through a self-service platform and improving application **response time from 5–6 seconds to 1–2 seconds** through front-end architecture optimization.
- ❖ Recognized for developing innovative, business-critical solutions including platform **consolidation for 100+ financial institutions, supporting 1.5 million+ daily banking conversations**, and leveraging AI-assisted engineering practices to significantly enhance development productivity.

## CORE COMPETENCIES

- Frontend Architecture & System Design
- ReactJS & TypeScript Development
- Microfrontend Architecture (Module Federation)
- Monorepo Strategy & Platform Engineering
- UI Component Development & Design Systems
- Frontend Performance Optimization
- REST API Integration & State Management
- Accessibility (WCAG & ARIA) Compliance
- CI/CD Pipelines & GitHub Actions
- Technical Leadership & Team Mentoring
- Cross-Functional Stakeholder Collaboration
- AI-Enabled Frontend Development (Cursor, MCP & RAG Fundamentals)

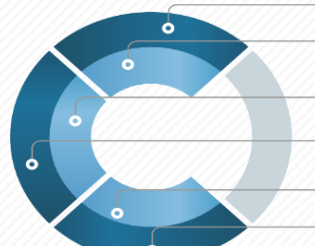
## TECHNICAL SKILLS

- ❖ **Front-end Technologies:** ReactJS, AngularJS, JavaScript, TypeScript, HTML, CSS, Bootstrap, Material UI
- ❖ **Back-end Technologies:** NodeJS, Express
- ❖ **State Management:** Redux
- ❖ **Microfrontend & Architecture:** Microfrontend (Module Federation), Monorepo
- ❖ **Database:** MongoDB, PostgreSQL
- ❖ **API & Communication:** REST APIs, Socket.io
- ❖ **Authentication & Authorization:** Clerk (Authentication & RBAC)
- ❖ **Testing Framework:** Jest
- ❖ **AI/ML Technologies:** TensorFlow.js, RAG
- ❖ **Document Generation:** jsPDF
- ❖ **Communication Platform:** Twilio
- ❖ **Cloud Platform:** AWS (Basic)
- ❖ **Version Control & CI/CD:** Git, GitHub, GitHub Actions
- ❖ **Project Management & Collaboration:** Jira, Figma, Slack
- ❖ **Monitoring & Analytics:** Datadog, Lighthouse, Mixpanel, Optimizely
- ❖ **AI-Assisted Development Tools:** Cursor, MCP

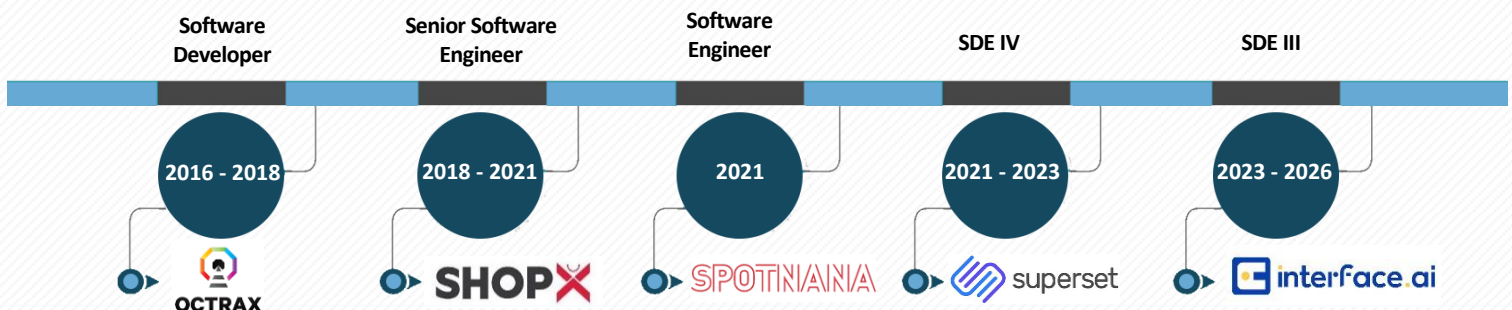
## EDUCATION

 **Bachelor of Technology (B.Tech.) in Electronics & Communication Engineering** | Future Institute of Engineering & Management, Kolkata | 2013

## SOFT SKILLS

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- Analytical Thinking
  - Problem Solving
  - Effective Communication
  - Leadership & Team Facilitation
  - Adaptability & Agile Mindset
  - Quick Learner

## CAREER TIMELINE



## WORK EXPERIENCE

SDE III | Interface.ai | Bangalore

Dec 2023 – Mar 2026

**Technology Stack:** ReactJS, TypeScript, NodeJS, Microfront-end (Module Federation), Monorepo, Socket.io, Clerk (Authentication & RBAC), REST APIs, Jest, Cursor, MCP

### Key Result Areas:

- ❖ Spearheaded the development of the Self-Serve Application from scratch for Voice Bot, Chatbot, and Knowledge Source configuration, reduced customer onboarding time from over one month to nearly one day.
- ❖ Proposed and implemented a Monorepo and Microfront-end architecture for the Unification Platform, consolidating seven standalone applications into a unified platform serving 100+ banks and credit unions.
- ❖ Engineered an embeddable chat widget using ReactJS and Socket.io, enabling seamless client-side integration through a script-tag implementation.
- ❖ Mentored junior developers, conducted pull request reviews, and collaborated closely with Product, Design, and Back-end teams to ensure timely product delivery.
- ❖ Leveraged AI-assisted development workflow using Cursor and MCP tools, integrating Figma, Jira, and Slack to accelerate code exploration, implementation, debugging, and root cause analysis, improving development productivity by 10x.

SDE IV | Superset | Bangalore

Dec 2021 – Jul 2023

**Technology Stack:** ReactJS, AngularJS, TypeScript, JavaScript, Redux, jsPDF, TensorFlow.js, Accessibility (WCAG/ARIA), Jest

### Key Result Areas:

- ❖ Modernized the Student Application architecture by migrating from AngularJS to ReactJS, enhancing maintainability, component reusability, and overall user experience.
- ❖ Re-architected the resume generation module by shifting processing from back-end to front-end using jsPDF, reducing generation time from four minutes to five seconds.
- ❖ Implemented real-time identity verification using TensorFlow.js to match interviewer and interviewee photos, preventing over 2,000 impersonation attempts.
- ❖ Enhanced product accessibility across registration workflow for users with visual impairments and colour blindness while promoting accessibility best practices across development teams.
- ❖ Scaled the Oculus Interview Application's group discussion capability to support 16 participants and introduced muting and panel-view functionality using Twilio meeting features.

## PREVIOUS WORK EXPERIENCE

Software Engineer | Spotnana | Bangalore

Jun 2021 – Nov 2021

**Technology Stack:** ReactJS, TypeScript, JavaScript, Redux, REST APIs, Jest

### Key Result Areas:

- ❖ Developed user registration, onboarding, and authentication workflow to streamline new-user platform experiences.
- ❖ Contributed to flight and hotel search functionalities, enhancing overall user experience.
- ❖ Strengthened application quality by expanding unit test coverage across key features.

Senior Software Engineer | ShopX | Bangalore

Jul 2018 – Jun 2021

**Technology Stack:** ReactJS, AngularJS, JavaScript, Redux, REST APIs, HTML, CSS, Bootstrap, Material UI

### Key Result Areas:

- ❖ Enhanced order processing workflow for over 50,000 retailers by implementing end-to-end vendor-to-delivery tracking capabilities.
- ❖ Designed ReactJS-based last-mile delivery workflow incorporating OTP and photo verification to improve delivery authentication and reliability.
- ❖ Developed consumer marketplace features that contributed to scaling the application to over 500,000 users.
- ❖ Delivered seller portal and dashboard functionalities, simplifying complex operational workflow across the platform.

Software Developer | Octrax Systems | Bangalore

Feb 2016 – Jul 2018

**Technology Stack:** AngularJS, JavaScript, NodeJS, Express, MongoDB, REST APIs, HTML, CSS, Bootstrap, jQuery

### Key Result Areas:

- ❖ Developed business applications supporting investment management, employee onboarding, factory operations, poultry management, and food ordering processes.
- ❖ Delivered customer-facing applications and administrative portals to enable end-to-end operational workflow across multiple business domains.

## PERSONAL DETAILS

❖ **Date of Birth:** 11<sup>th</sup> February 1991

| **Languages Known:** English, Hindi, Bengali

| **Address:** Bengaluru, India