

MANU BHARDWAJ

Staff Software Engineer — Full Stack / UI

+971-585741858 | debug.manu@gmail.com | [linkedin.com/in/me-manu-on-web](https://www.linkedin.com/in/me-manu-on-web) | Dubai, UAE

SUMMARY

Staff Software Engineer with 9+ years architecting full-stack platforms in React, TypeScript, and Node.js — from first-engineer 0-to-1 builds to production systems handling millions of workflow executions and \$500M+ in institutional assets. Experienced translating complex technical tradeoffs for both engineering teams and external, non-technical partners.

EXPERIENCE

Staff Software Engineer *Sola* 09/2023 – Present

- Joined as the first engineer and architected a browser-native RPA platform end-to-end — frontend, backend APIs, and data layer — establishing the technical foundation the company has run on for 3 years, now powering 4M+ workflow executions at 82% reliability.
- Designed and built a Figma-inspired visual workflow editor in React/TypeScript with real-time execution preview, supporting 3K+ user-created workflows with predictable state transitions.
- Engineered a workflow versioning system — structural diffing, commit-level validation, rollback, schema enforcement — safeguarding production updates across thousands of live automations.
- Built a Chrome extension translating raw browser interactions into structured automation steps, contributing to 32K+ bot hours executed on the platform.
- Owned ambiguous, undefined problem spaces with minimal direction as the sole early engineer — set frontend architecture standards, component system, and performance budgets that scaled with the team.

Lead Frontend Engineer *Floating Point Group* 02/2022 – 08/2023

- Architected the frontend platform for an institutional crypto custody system managing \$500M+ in AUM, built for external institutional partners who required verifiable trust and security at every step of the transaction lifecycle.
- Developed role-based transaction approval and signing flows connecting internal engineering decisions to real partner workflows — integrating institutional custody wallets and DeFi protocols in a domain where a wrong tradeoff had direct financial consequences for partners.
- Built a React Native app with biometric authorization and multi-layer transaction validation, translating complex security requirements into an interface non-technical institutional users could operate confidently.

Lead Software Engineer *Alerzo* 01/2021 – 02/2022

- Led and mentored a team of 6 engineers delivering commerce and logistics platforms, scaling fleet tracking and inventory systems to 50K+ monthly active users and 130K+ orders.
- Architected frontend systems for real-time fleet tracking, order lifecycle management, and inventory sync across distributed operational workflows.
- Established scalable state management and data synchronization strategies for high-volume transactional workflows, raising the team's engineering quality bar in a fast-scaling environment.

Senior Software Engineer *InstaSolv* 09/2019 – 11/2020

- Launched and scaled live-classroom infrastructure serving 300K+ daily learners, reducing operational costs by 23%.
- Led end-to-end development of the live classroom platform, defining session lifecycle, instructor controls, and participant interaction flows.
- Directed the launch of course management and subscription features across web and mobile, enabling structured content delivery and monetization.

Software Engineer *DevsLane* 02/2018 – 09/2019

- Developed a Shopify-based automation platform using platform APIs to streamline merchant workflows and order management.
- Created multi-provider communication integrations (Gmail, Outlook, Mailchimp APIs) with tracking and analytics.
- Implemented event instrumentation and performance monitoring to improve engagement insights and campaign effectiveness.

SKILLS

Languages:	TypeScript, JavaScript, Python, SQL
Frontend:	React, Next.js, React Native, GraphQL, Tailwind CSS
Backend & Data:	Node.js, PostgreSQL, MongoDB, REST/GraphQL API design
Infrastructure:	AWS, GCP, Temporal, N8N, Git

EDUCATION

Bachelor of Technology, Information Technology — Dr. A.P.J. Abdul Kalam Technical University, 2014 – 2018