Vijay Pagare

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A frontend-leaning software engineer who has 4.5+ years of experience in building and maintaining high-quality (B2B) saas products and web applications. Proven ability to work independently and as part of a team in fast-moving, resource-constraint environments where short turnaround times are a norm. Exceptional at leveraging interpersonal skills to facilitate a collaborative relationship among cross-functional teams to get the work done. Excellent problem-solver with an aptitude for troubleshooting and the ability to quickly master new skills, technology, or a role.

PROFESSIONAL EXPERIENCE

PROPELLOR.AI   **Pune - Remote**
Software Engineer - Frontend   *August 2021–Present*

- Architected, built and maintained business critical modules for a **data unification and visualisation platform**.
  - **Introduced 20+ charts** including sankey, wordcloud, heatmap, tree, bubble, Map - India and USA, with a few custom bar charts & tables. Built them using SVG, Canvas, and Open-source libraries like Apache Echarts, d3, ng-zorro, and ag-grid.
  - Developed **10+ data sources by integrating 3rd party APIs** from facebook, google, shopify, snapchat, etc. Built data connectors using forms and oAuth2 based approaches.
  - **Implemented features**: ticketing system, billing service, user management, rich-text-editor enabled notes, admin panel, RBACs & Tier-Based User Restriction Service, chart alerts, dashboard and charting related - page & group filters, external share, save as pdf, slideshow mode.
- Stabilised the app by **reducing the bugs by 90%** within a quarter of joining and thereon **maintained a <5% bug-to-new-feature ratio**
  - Redesigned API responses by making **proper use of cohesion and coupling** concepts. **Refactored the centralised state management service** where RxJS leaks were prominent. **Built a tracking service** that could facilitate Root Cause Analysis for high-impact causing issues by logging the user actions, code flow, and modifications in the source-of-truth.
  - **Established an AWS pipeline** for dev, stage, and prod environments to automate releases. Set up a release and signoff process in place.
- **Enhanced the User Experience** and Interface which led to a **doubling of the average time spent** on the app and **improved demo-to-trial ratio**
  - Prepared a UX + lighthouse report along with the design team wherein we identified some quick wins and established other long-term procedures as a part of design signoff process
  - Implemented **driver.js for product demos** instead of video onboarding, introduced setup guides, help, and getting started CTAs, brought in **micro-interactions**, changed the entire app **theme** along with the component library, and coordinated with designers for improved user messaging. Made sure we **paid attention to details** - alignments, spacing, color combos, adherence to design principles, etc.
  - Took lighthouse **accessibility and best practices scores to around 90 from below 60**.
- Revamped the architecture of the core charting library and dashboard module to improve **the first contentful paint time from 5s to 1.5s**.
  - Did so by **modularising the code** into smaller chunks (modules and components), refactored memory leaks, **reduced unnecessary API calls**, performed **asset compression and caching** + enabled CDNs

- Implemented **lazing loading and lazy rendering** (render stuff only when necessary - strategic breaking down of the entire page into groups)
  - cleaned up redundant services, unused components, packages, images and other assets
  - led **migration from angular v9 to v15 along with all its dependencies**

  Took the **lighthouse performance score from around 25 to 70**
- Single-handedly **leading the frontend development activities since Jan 2023**. Active contributions in project planning and product discussions. Accustomed to working alongside the CEO, CTO along with fellow engineers and designers.

ERAGAP VENTURES   **Mumbai - Remote**
Software Engineer - Founder   *Sept 2020–August 2021*

- Indie-hacked a portfolio of products and services as a solopreneur. Mostly worked on web-based saas tools, media initiatives, and client projects. Made multiple pivots: ecom, crypto, and content.
  - Built **ecom apps for a jewellery store** and **a paper florist** using React/NextJS, TailwindCSS, Javascript, and Vercel. Developed a **web app** that **provided legal documents service** (wills & codicils). Built an **SEO-rich blog app** for creators that **converted .md files to blog posts.**
  - Built a **content automation platform (app + website)** to help creators and marketers automate social media posts. **Data once connected to Google Sheets would turn into ready-to-post images**.
  - Built a **philosophy-based app** like goodreads + inshorts app, later turned into a content-only product. Social media peak reached an average of **100K monthly impressions** for 6 months.

FLEXILOANS   **Mumbai**
Software Engineer - Frontend   *June 2019–Sept 2020*

- Built a **dynamic client onboarding and lead generation platform** (**JSON-based**) that tailored itself to various **user journeys depending upon the source of the lead** and was integrated with Flexiloans' business partners like Gpay, Paypal, and Xiaomi. It was **used by 6 lac SMEs per month**.
- Awarded **Employee of the Month twice**.
- Features: KYC flow, Loans Profile Section, E-Nach/Ops flow.

LUMINAIRE ACADEMY   **Mumbai**
Lecturer - Founder   *2015–2019*

- **Bootstrapped an offline coaching institute** during my college days. ARR: 15 lac.
- Roles: Teaching (physics), guest lecturing at other partner institutes (5+), mentoring
- Prime decision-making, marketing and revenue generation.

TECH STACK

Javascript, Typescript, React, NextJS, Angular 2+, TailwindCSS, HTML, CSS/SCSS, Git, REST-APIs using Nodejs, Linux, Material & Ant Design, ES6, Redux, RxJS, Apache Echarts, D3.js, Three.js, Sockets, PWA

Education

Bachelor of Engineering - Computers   **Grade Pointer: 8.6/10**
Rajiv Gandhi Institute of Technology, Mumbai University   *May 2019*