

Mouli Bheemaneti

Product Engineer / Forward Deployed Engineer

+91-9494521472 

moulibheemaneti99@gmail.com 

<https://www.linkedin.com/in/moulibheemaneti/> 

<https://www.github.com/moulibheemaneti> 

Hyderabad 

PROFILE SUMMARY

- **Product Engineer with 4+ years of experience** in building scalable web and mobile products across the complete product lifecycle, from product discovery and solution design to development, deployment, and continuous optimization.
- Successfully delivered **32+ product modules** (25+ web and 7 mobile) for enterprise platforms, collaborating with business stakeholders and cross-functional teams to transform complex requirements into intuitive, high-performance digital solutions.
- Strong expertise in **Product Engineering, Vue.js, Nuxt.js, React.js, Flutter, TypeScript, REST APIs, SQL, and frontend architecture**, delivering scalable, maintainable, and user-centric applications.
- Proven track record of driving engineering excellence through developer mentoring, code reviews, reusable frameworks, workflow automation, and Agile delivery while improving product quality, scalability, and operational efficiency.
- **Product Management Certified** by Duke Corporate Education in collaboration with upGrad, with a passion for applying product thinking, design thinking, and data-driven decision-making to build impactful digital products.

TECHNICAL SKILLS

- **Product Management:** Product Management, Product Strategy, Product Planning, Product Roadmapping, Requirement Gathering & Analysis, Backlog Grooming & Prioritization, MVP Planning & Development, User Story Creation, Feature Lifecycle Management
- **UI/UX & Design:** Wireframing, UI/UX Design, Interactive Prototyping, User-Centered Design, Figma, Canva
- **Software Development:** Vue.js, Nuxt.js, React.js, Flutter, HTML5, CSS3, Tailwind CSS, SCSS, JavaScript, TypeScript, Web Application Development, Cross-Platform Application Development, REST API Development & Integration, SQL, PostgreSQL, Python, Shell Scripting, Firebase, Supabase
- **Testing & Quality Assurance:** Playwright, Smoke Testing
- **DevOps & Version Control:** GitHub, GitHub Actions (Basic CI/CD)
- **Mobile App Deployment:** Google Play Store & Apple App Store Deployments

WORK EXPERIENCE

Software Engineer | Narayana Group | Hyderabad, India (On-site) | Mar 2022 – Present

- **Owned the nTransport product end-to-end**, from stakeholder discovery, workflow analysis, requirements gathering, dashboard design, and development to Playwright end-to-end test automation, supporting 50 transport administrators managing approximately 3,000 vehicles across India.
- **Replaced a third-party service desk with an in-house platform**, reducing external software costs by ~30% while improving operational efficiency for 30% of the organization's operations team.
- **Partnered closely with business stakeholders** by shadowing operational teams and digitizing daily workflows through 5 enterprise dashboards, reducing manual reporting and routine operational effort by 20%, while improving UI consistency and reducing UI-related issues by 15%.
- **Built the organization's first centralized GPS device inventory** for approximately 3,000 devices, introducing automated SIM and certification expiry alerts, eliminating 90% of manual document tracking, and enabling self-service workflows for transport administrators.
- **Delivered and enhanced enterprise web and mobile applications serving 40,000+ monthly active users (MAU)**, ensuring high availability, scalability, and performance across multiple business-critical platforms.
- **Delivered 7 Flutter mobile modules and 25+ enterprise web modules**, including nTransport Fleet Operations, Live GPS Dashboards, Learning & Development Platform, PAN-India Service Desk, Gatepass Management, Reach Disha, Disha iCARE, Biometric Attendance Portal, and Fleet Management Platform.
- **Led the Vue 2 to Vue 3 migration**, achieving 25% code complexity reduction, consolidating redundant API calls, and improving development velocity by 20–25% while ensuring uninterrupted feature delivery.
- **Supervised 6 developers and 2 interns**, mentoring engineers, defining branching strategies, coordinating release planning, and driving Agile delivery across multiple concurrent products.
- **Reduced developer onboarding and module setup time from 1 hour to 10 minutes** by building internal development tools, accelerating engineering productivity across web and Flutter teams.
- **Owned Flutter release engineering**, managing regular Google Play Store and Apple App Store deployments for applications serving 40K+ users.
- **Conducted 500+ Merge Request reviews** across 10 GitLab repositories spanning Vue.js and Flutter codebases, established Storybook-based design standards, and implemented GitHub Actions (Basic CI/CD) quality gates for consistent, high-quality releases.
- **Developed and published 4 Flutter Pub packages and 1 npm package** for reuse across engineering teams, improving development consistency and reducing duplicate effort.

INTERNSHIPS

Management Trainee – Product | NetAccess Pvt. Ltd. | Chennai, India | Sept 2021 – Jan 2022

- Built a strong foundation in **C# programming and enterprise software** development practices
- Conducted research & development initiatives focused on Flutter applications, with particular emphasis on Flutter Web capabilities
- Explored emerging technologies and evaluated cross-platform development approaches to support future product initiatives

Product Development Intern | ImbueDesk ENS Pvt. Ltd. | Chennai, India | Oct 2020 – Jun 2021

- Contributed to UI/UX design and delivery of **3+ product features**, improving usability, customer satisfaction, and overall product experience in collaboration with a **2-member engineering team**
- Designed **50+ custom icons** and visual assets ensuring consistent product branding across mobile platforms and enhancing visual identity
- Collaborated in development and bug resolution efforts, successfully delivering **3 major features and fixing 15+ critical issues** to improve product stability
- Expanded into **marketing design by creating social media creatives**, banners, reels, motion graphics, and promotional videos, increasing engagement and strengthening brand presence.
- Partnered with content and marketing teams to execute a **2-month content calendar** and align **50+ campaigns** with product and business objectives, improving reach and consistency

Software Developer Intern – Product | NayaGaadi | Remote (Bengaluru, India) | May 2020 – July 2020

- Collaborated with a team of **2 developers** to build a cross-platform mobile application, expanding the startup's digital reach
- Facilitated requirement gathering sessions with the **Founder & CEO** to identify key business challenges and define product objectives
- Developed the primary user persona to guide product decisions and prioritize feature development
- Built and successfully published the Android application on the Google Play Store, contributing to audience growth
- Proposed product strategies, feature roadmaps, and future enhancements using Design Thinking methodologies

EDUCATION

- **Postgraduate Certification in Product Management:** Duke Corporate Education **in collaboration with** upGrad | Jan 2024 – Dec 2024
Core Curriculum: Product Strategy, Product Planning, Product Analytics, User-Centered Design, MVP Development, Prototyping, Usability Testing
Industry Case Studies: Spotify, PhonePe
- **Bachelor of Technology (B.Tech.) – Computer Science & Engineering:** Indian Institute of Information Technology, Sricity | 2017-2021
Academic Projects: Garbage Level Detection System, Earthquake Prediction System, and multiple software engineering and machine learning projects

CERTIFICATIONS

- Certified Nuxt Master – Vue School (March 2024)
 - Time Management Techniques – upGrad (February 2024)
 - SQL (Basic) – HackerRank (December 2021)
 - UI/UX Design – Internshala (September 2021)
 - Creative Writing – Internshala (September 2021)
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