

Praneth Vasudeo Pujari

Mumbai, India | Phone: +91 7506738809 | praneth.v.poojary25800@gmail.com

LinkedIn: [linkedin.com/in/praneth-poojary-647420185](https://www.linkedin.com/in/praneth-poojary-647420185) | GitHub: github.com/praneth2580

Objective

Passionate and adaptable Full Stack Developer with **3+ years** of hands-on experience building robust web and mobile applications. Seeking to contribute to a product-driven company where I can drive scalable digital solutions and continuously grow as a developer and team collaborator.

Professional Summary

Performance-oriented **Full Stack Developer** with over 3 years of experience architecting scalable web platforms, mobile apps, and real-time systems. Proficient across the tech stack with a strong grasp of Node.js, React, PostgreSQL, and Android (Java). Known for rapid adaptation to new technologies and a collaborative approach that aligns technical innovation with business goals.

Experience

Senior Full Stack Developer

CableGuy CATV Business Process Automation Pvt. Ltd., Bhayander, Mumbai

October 2021 – Present (On-Site)

Technologies: Node.js, Express.js, PostgreSQL, React.js, Android (Java)

- Led the end-to-end development of enterprise-grade web applications, including modules for inventory, issue tracking, and role-based access, significantly improving operational efficiency.
- Designed and deployed robust content management features with real-time functionality using WebSockets and integrated video processing workflows
- Developed and optimized Android-based media applications, enhancing playback performance and enabling deep-linking for seamless navigation across streaming services.
- Built scalable integrations with messaging APIs, architected backend systems, and conducted in-depth code reviews to ensure high-quality deliverables across engineering teams.
- Collaborated closely with UI/UX designers and stakeholders to translate business requirements into scalable technical solutions, ensuring high user satisfaction.
- Maintained and optimized PostgreSQL databases, writing complex queries and tuning performance to support high-traffic production environments.

Core Skills

- **Backend:** Node.js, Express.js, REST APIs, Socket.io
- **Frontend:** React.js, HTML5, CSS3, Bootstrap, Tailwind CSS
- **Database:** PostgreSQL, MySQL
- **DevOps & Tools:** Git, Docker, Postman
- **Mobile & Others:** Android (Java), Jetpack Compose, Figma

Professional Projects

Subscriber Management System (SMS)

A comprehensive enterprise solution designed to manage subscriptions and operational workflows for cable and OTT platforms.

- Developed a **financial management system** to track payments, generate invoices, and manage prepaid/postpaid subscriptions
- Built **TRAI-compliant reporting modules**, automating regulatory submissions and standardizing MIS generation for audits and compliance.
- Engineered **role-based login** with granular permissions, enabling multi-level access across support, admin, field agents, and operators.
- Designed a **real-time operational dashboard** using **Socket.io**, displaying live metrics on subscriber counts, complaints, revenue, and package activations.
- Implemented **hierarchical access** for MSO-LCO models (Multi-System Operator & Local Cable Operator), enabling service segregation and scalability.
- Developed an **inventory management module** to track Set-Top Boxes, routers, smart cards, and CPE devices with QR/barcode tagging.
- Integrated **CRM features** such as complaint tracking, user messaging, and feedback collection to improve customer support efficiency.

Content Management System (CMS)

A modular content management system built for media broadcasting and OTT platforms.

- Built using **Node.js**, **React.js**, and **Socket.io** for real-time content synchronization and multi-user collaboration
- Integrated **FFmpeg** for media encoding, compression, thumbnail generation, and video format conversions
- Designed customizable **content scheduling**, approval workflows, and publishing queues to streamline editorial processes
- Enabled **multi-language content support** and region-specific publishing with dynamic content filtering
- Developed **media analytics dashboards** showing viewership patterns, video

- completion rates, and content performance KPIs
- Built secure **file upload and media asset management** workflows with progress indicators and permission-based file access.

WhatsApp Campaign Manager

A powerful messaging platform utilizing the **WhatsApp Cloud API** for enterprise-grade customer communication.

- Built backend logic for **bulk messaging** with templated campaigns, multilingual support, and scheduling features.
- Integrated **webhooks and callbacks** to track message delivery, user reads, and interactive replies.
- Developed a **dashboard interface** for campaign management, performance analytics, and contact segmentation.
- Supported **multi-account configurations** with isolated access for different departments or clients under one system.
- Implemented **rate-limiting, message queuing**, and failover mechanisms to ensure consistent delivery even during high load.
- Added features for **document, image, and video messaging**, with file compression and media preview generation.

IPTV Platform (Android TV App)

A native Android TV application delivering IPTV and OTT content via a seamless and user-friendly interface.

- Developed using **Jetpack Compose** and **ExoPlayer**, optimized for leanback and remote navigation.
- Integrated **live TV streaming**, VOD support, and **deep linking** into OTT platforms like YouTube, Netflix, etc.
- Designed a dynamic **EPG (Electronic Program Guide)** with program metadata, icons, and scheduled playback.
- Enabled **authentication, user profiles, and watch history** to personalize content discovery and recommendations.
- Implemented **auto-recovery for stream interruptions**, retry logic, and adaptive streaming for bandwidth efficiency.
- Included **parental controls**, multi-language subtitles, and audio switching capabilities for accessibility.

E-Commerce Portal

A robust online shopping platform with complete order lifecycle support and admin backend.

- Built full-stack with **React.js, Node.js**, and **PostgreSQL**, following modular MVC principles and scalable architecture.

- Implemented **shopping cart, product catalog, user authentication, and order tracking** with real-time status updates.
- Integrated **payment gateways** (like Razorpay/Aggrepay) with secure checkout and refund APIs.
- Designed **admin dashboard** for inventory management, promotional offers, category/tag editing, and analytics.
- Built mobile-optimized UI/UX with **responsive layout**, lazy loading, and image compression for better performance.

Travel Portal – TravoHill

A full-featured travel and ride-booking platform supporting customers and drivers with real-time tracking and scheduling.

- Built with **Vite + React.js** frontend, **Node.js** backend, and **Android apps** for driver and customer interfaces.
- Implemented **real-time booking system** with ride status updates, push notifications, and live GPS tracking.
- Integrated **Google Maps API** for route planning, distance calculation, and fare estimation.
- Enabled **multi-role login** (Admin, Driver, Customer), with booking history, wallet system, and automated invoicing.
- Designed **rating system**, driver verification process, and profile management features for trust and safety.
- Handled **trip cancellation policies**, refund logic, and dynamic pricing for peak-hour bookings.

Live Server & Database Management

End-to-end production environment support for real-time applications across multiple client systems.

- Deployed and maintained **Node.js APIs and PostgreSQL/MySQL databases** on cloud-based VPS and on-prem servers.
- Handled **load balancing, caching (Redis), and error monitoring** to ensure application uptime and fast response.
- Performed **daily/weekly DB backups, disaster recovery testing**, and schema optimization for high-traffic portals.
- Managed **SSL certification, firewall configurations**, and server security hardening for compliance.
- Monitored usage and health metrics with tools like **PM2, Grafana, and NGINX/Apache logs** for proactive support.

Personal Projects

Elemental Clash

GitHub: <https://github.com/praneth2580/ELEMENT-CLASH>

A browser-based **strategic card game** built with **React.js**, incorporating turn-based mechanics and elemental synergy logic.

- Designed a modular component architecture to manage game state, player turns, and randomized effects
- Implemented dynamic card interactions and animations to create an immersive user experience
- Features a rule engine that supports complex gameplay logic such as elemental counters, buffs, and debuffs.

StockPY

GitHub: <https://github.com/praneth2580/Stockpy>

A **Python-based stock analysis tool** that utilizes historical data to detect market trends and predict future stock valuations.

- Integrated libraries like **Pandas**, **Matplotlib**, and **NumPy** for data preprocessing, analysis, and visualization.
- Applied basic machine learning techniques and statistical models to assess stock movement patterns and generate insights.

Currency Converter

GitHub: <https://github.com/praneth2580/Currency-Converter>

A **real-time currency conversion platform** with a clean and intuitive UI for global currency comparison.

- Consumes live exchange rates from an external API and dynamically updates conversions without page reloads
- Built using **JavaScript**, **HTML/CSS**, and modern async fetch calls to ensure responsive performance.

WAC Checker

GitHub: <https://github.com/praneth2580/WAC-Checker>

A **network diagnostics tool** developed with **Jetpack Compose** for Android, designed to check and visualize website availability.

- Sends regular ping requests and presents response times in a user-friendly visual format
- Useful for developers and sysadmins to quickly assess server uptime or connectivity issues.

IPMSG Portable

GitHub: <https://github.com/praneth2580/IPMSG-Portable>

A **mobile-native version** of the classic **LAN messaging platform**, **IPMessenger**, built using **Android Jetpack Compose**.

- Reimagines traditional desktop messaging for mobile use, enabling LAN-based, offline messaging in office or school networks.
- Features include device discovery, secure peer-to-peer messaging, and native notifications.

Education

- **M.Sc. in Computer Science**
University of Mumbai — Expected 2025
- **B.Sc. in Computer Science**
V.K. Krishna Menon College, Mumbai — Graduated 2021
- **Higher Secondary Certificate (HSC)**
Bhavan's College, Mumbai — Completed 2018
- **Secondary School Certificate (SSC)**
AIES High School, Mumbai — Completed 2016