Anurag Kumar

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Summary: 🔗 Github | Linkedin

Results-driven Software Engineer with 4 years of experience in full-stack development, API integrations, and automation. Skilled in delivering scalable, end-to-end solutions that optimize business operations and reduce manual effort. Recently built an AI-powered WhatsApp chatbot using OpenAI for intent detection and automated task handling, enhancing user interaction and support workflows.

Work Experience:

1). iTriangle Infotech Pvt. Ltd (Software Engineer) - Bangalore, Karnataka   Dec 2022 – Present

- **WhatsApp AI Chatbot:** Designed and implemented a modular WhatsApp chatbot in Laravel using webhook-based communication and the Strategy design pattern. Integrated an AI layer using OpenAI to analyze user messages and determine intent, dynamically routing them to appropriate handlers (e.g., Job Card, Device Details, Support). Enhanced with OTP-based automation, database-driven response flow, and scalable architecture for future NLP improvements.

- **Service Center Management (SCM):** Designed and developed a full-fledged SCM system from scratch, streamlining device servicing and **boosting revenue generation by up to 68%.** Automated multiple tasks including fetching warranty details, creating job cards, fault analysis, generating PI, and managing servicing and outward processes, greatly enhancing business efficiency for management.

- **Material Resource Planning (MRP):** Built a comprehensive MRP solution for procurement automation, optimizing inventory tracking and reducing manual efforts. Helped the inventory department **to reduce their workload by more than 50%** and significantly improved and expedited the procurement process by reducing TAT.

- **IT & Deployment Support:** Assisted the IT team in server setup, learned Linux fundamentals, and contributed to deployment processes.

- **Sim Management Tool (SMT):** Enabled QR-based certificates of installed devices for vehicle registration at state RTOs, all over India. Integrated Razorpay API for SIM subscription plans, facilitated SIM whitelisting and Common Layer Subscriptions.

- **Device Config Tool:** Led the development of a web-based software for configuring GPS telematics devices. Using this tool customers can themselves configure their GPS devices using their login. Later, based on customer feedback, added an option to connect devices via USB for configuration.

2). Programmates Pvt Ltd (Software Developer) - Jaipur, Rajasthan   May 2021 – Dec 2022

- **Staff Augmentation Software:** Developed **Staff Augmentation Software**, connecting businesses with skilled developers via a service-based contract model.

- **Royal Migration Software:** Led the development of **Royal Migration Software**, an ERP system managing student admissions and documentation for Australian universities.

- **Easy Scooter:** Built **Easy Scooter**, an electric scooter rental platform with inventory tracking, booking, and automated invoicing.

3). Pranjo Meal (Co - Founder)   May 2020 – Apr 2021

Co-founded Pranjo Meal, a meal delivery startup, building a web-based platform for managing orders, deliveries, and customer acquisition through targeted marketing campaigns.

4). Reeadle (Co - Founder)   Nov 2018 – Mar 2020

Co-founded Reeadle, a **School ERP** for attendance tracking, report generation, library management, and fee collection, enhancing administrative efficiency.

Personal Projects:

- **Digital Album Web App:** 🔗 **Snapengine (Backend) | Album (Frontend)**
  Developing a full-stack web application allowing users to create digital photo/video albums. Designed with a responsive UI using React and Tailwind CSS, and a RESTful API backend in Node.js with MySQL (with Sequelize). Emphasized user-friendly UX, media handling, and album sharing functionality.

- **AI Job Application Agent:**
  Developing an AI-powered job application assistant that automates the process of identifying relevant job listings, tailoring resumes, and drafting personalized cover letters using OpenAI APIs. Integrated job board scraping, dynamic prompt generation, and intelligent matching logic to streamline applications and boost response rates.

- **AI-Powered YouTube Transcript Clipper:** 🔗 **Shorts AI**
  Built a tool that utilizes OpenAI Whisper for transcribing YouTube videos and GPT-4 for generating short-form video ideas. Integrated **youtube-captions-scraper** to extract timestamps and automatically clip videos based on AI-selected segments. Ideal for content creators aiming to generate Shorts quickly.

- **Helium Service Authentication System:** 🔗 **Helium**
  Created an advanced Node.js authentication system using JWT with access & refresh token rotation, Argon2 password hashing, 2FA, login alerts, session/device tracking, rate limiting, and microservices-ready architecture.

- **Personal Wedding Invitation Website:** 🔗 **Website**
  Built a custom wedding invitation website for my own wedding using HTML, CSS, JavaScript, and Bootstrap. Featured scroll-based image transitions, RSVP form, event schedule, and venue map. Designed for responsiveness and smooth user experience.

Skills & Expertise:

- **Backend Development:** Laravel, PHP, Node.js, Express.js

- **Frontend Development:** React.js, JavaScript, jQuery, Ajax, HTML, CSS, NEXT JS

- **Database Management:** MySQL, Knex.js, Sequelize, Database Architecture

- **API Development & Integrations:** RESTful APIs

- **Authentication & Security:** JWT, OAuth, 2FA, Role-Based Access Control (RBAC)

- **Process Automation:** WhatsApp API, Tally API, Payment Gateway Integration

- **Version Control & Deployment:** Git, Linux (Ubuntu), Server Setup, CI/CD

- **Project Management:** Jira, Microsoft Planner, Zoho Projects

Education:

- Bachelor of Technology (Electronics and Communication) |Global Institute of Technology, Jaipur, Rajasthan
- Higher Secondary Examination (Science: PCM) | India Overseas School, Jaipur, Rajasthan
- Secondary School Examination | Kendriya Vidyalaya, Rajokri, Delhi

Personal Information:

- Marital Status: Married
- Gender: Male
- Date of Birth: 28th September 1995
- Languages: Hindi, English
- Current Location: Bangalore (Karnataka)