Hemanth R

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Education

Don Bosco Institute of Technology, Bengaluru   **2022–2026**
Bachelor of Engineering in Information Science   8.7/10 CGPA

Work Experience

Butter Money   March 2025–Present
Full Stack Developer Intern   Bengaluru, India

Channel Partner Platform Development
– Engineered a complete Channel Partner Sales Agent module (front-end and back-end), enabling secure registration, lead creation and tracking, and real-time monitoring of customer loan applications.
– Designed scalable data models and role-based authentication that improved operational efficiency and increased qualified lead intake.
– Integrated Zoho CRM automation to sync newly generated leads with detailed customer metadata, eliminating manual data entry and accelerating sales team follow-ups.

Customer Onboarding & Document Automation
– Contributed to a high-impact onboarding flow for real loan customers with document uploads, validation, and end-to-end editing support.
– Built Slack automation delivering customer documents and statuses directly to internal teams, integrated with v2 of our document processor for faster handling and compliance.

Admin/Ops Dashboard & Workflow Optimization
– Developed a centralized dashboard for internal teams to manage loan journeys, customers, and channel partners.
– Reduced document processing time from 40 minutes to under 5 minutes (**87% improvement**).

Eligibility Flow & UI/UX Performance
– Spearheaded the Eligibility module, implementing precise input validation and eligibility checks based on customer personal and income details to ensure accurate loan qualification decisions.
– Developed a build-time image optimization engine that reduced asset sizes by 96% (10MB → 400KB), improving load speed by 2.5x.

SEO and Analytics Integration
– Implemented dynamic `robots.txt` and `sitemap.xml`, achieving 91–100 Lighthouse SEO scores.
– Integrated PostHog for user tracking and funnels, boosting conversion analytics by 30%.

MaxPetZ   Aug 2025–Sept 2025
Full Stack Developer (Freelance)   India (Remote)

Veterinary Client Web Ecosystem Development
– Delivered an end-to-end digital platform including user-facing website, appointment booking, admin portal, and CMS-driven blog.
– Built secure user and admin flows with content and data management capabilities to streamline customer interactions.

Architecture & Deployment
– Tech stack: React (Vite), Tailwind + shadcn/ui, Astro (Blog), Hono + Wrangler (Backend), Neon Postgres + Prisma Accelerate, Cloudflare R2, Cloudflare Pages/Workers.
– Ensured globally distributed hosting with low-latency performance through Cloudflare's edge infrastructure.

Future Integrations
– Planned real-time social feed integration and payment gateway for online appointment booking.

Projects

TapNGo   **Source Code** | Live
– Developed a full-stack digital payment platform for wallet management, P2P transfers, and bank deposits.
– Ensured seamless and secure money transfers between users with robust security.
– Built the Vision Vault feature, a deposit goal system that allows users to save money like a digital piggy bank and withdraw funds when needed. It includes interactive visualizations for tracking P2P transfers and bank deposits.

- Designed and deployed a high-performance bank server on AWS EC2, leveraging Docker containers for scalability and reliability. The server enables secure bank deposit creation and processing, ensuring efficient transaction management in a cloud-native environment.

TaskForge **Source Code** | Live
- Developed a Bounty Automation Platform leveraging GitHub Webhooks to enable seamless, secure, and automated reward distribution for open-source contributors.
- Designed a dynamic webhook system that generates unique URLs for seamless GitHub integration. On PR closure, it processes bounties, validates credentials, executes transactions, and sends automated notifications.
- Designed a scalable event-driven architecture using Kafka, reducing processing time.
- Enabled users to submit detailed bounty information, including reward amount and recipient address.

Skills Summary

Programming Languages: Python, JavaScript, TypeScript (Basics)
Backend Technologies: Node.js, Express.js, FAST API, Apache Kafka
Frontend Technologies: Next.js, React.js, Tailwind CSS
Databases & ORMs: PostgreSQL, Prisma, SqlAlchemy
Computer Science Fundamentals: Object-Oriented Programming (OOP)
Cloud & DevOps: CI/CD, Docker, Linux (Basics), AWS (EC2, S3)
Version Control & Development Tools: Git, GitHub, GitHub Actions, Postman

Achievements

- Runner-up of **Pykathon 2024** held at Don Bosco Institute of Technology.
- Selected as one of the top 35 students by Samsung Innovation Campus at Don Bosco Institute of Technology for their training program.