Vinayak Gupta

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Summary

Full-Stack Developer with 2.5+ years of experience building Web and Mobile Applications. Skilled in Flutter, Node.js, TypeScript, and AWS. Proven ability to develop scalable solutions and solve complex technical challenges. Dedicated to leveraging my strong foundation in computer science fundamentals to create innovative and user-friendly products.

Experience

Medoc Health IT (Remote) | Feb 2023 - Present
Tech Lead

- Led product management for a healthcare application aimed to improve access to healthcare services for Indian citizens. Successfully integrated with government healthcare initiatives, contributing to the Digital India Movement.
- Managed a cross-functional team of 15 developers, ensuring timely product delivery and maintaining high quality standards.
- Played a key role in developing a user-friendly healthcare application that streamlined the patient experience and improved overall efficiency.
- Supported the technical integration for the onboarding of 3 multi-specialty hospitals in the first month, helping manage 40,000 patients, with numbers still growing.

Appable Technologies (Remote) | Jul 2023 - Jun 2024
Freelance Developer

- Built a comprehensive social sports platform, enabling users to connect, organize matches, and compete in tournaments. Contributed to fostering a vibrant community of sports enthusiasts.
- Designed and implemented an HRMS application, streamlining HR processes for a firm with 2000-3000 employees. Key features included employee management, time tracking, payroll processing, and performance reviews.
- Collaborated effectively with a remote team to ensure timely project delivery and meet high-quality standards.
- Exceeded expectations by taking ownership of server-side programming, ensuring a robust and secure platform for both the social sports platform and HRMS application.

Medoc Health IT (Remote) | Aug 2022 - Jan 2023
Software Development Intern

- Developed mobile application components using the Flutter framework, contributing to a healthcare application created to improve patient access and experience.
- Strengthened foundational knowledge in software development principles, including object-oriented programming, design patterns, and mobile app architecture.

Skills

Mobile App Development (2+ years): Flutter
Server-Side Programming (1+ years): Node.js, TypeScript
Database Management (1+ years): PostgreSQL, MongoDB
Project Management Tools (1.5+ years): Jira, Confluence, GitHub
Version Control (2.5+ years): Git, GitHub
Technical Problem-Solving: Applied mathematical and logical reasoning to solve complex technical challenges.
Cloud Computing (1.5+ years): AWS, Plesk Obsidian

Projects

Personal Bahi Khata | *Flutter, Encryption :*   ⬡ GitHub ▶ PlayStore
A user-centered mobile application for personal expense tracking, featuring a secure interface, customizable tagging, and robust data encryption. Successfully launched on the Google Play Store with positive user feedback.

Healthcare End-User Application with ABHA Integration | *Flutter, Node.js, GitHub, AWS*:

- A user-friendly mobile app to streamline healthcare access for Indian citizens, integrating seamlessly with ABHA.
- Leveraged Flutter, Node.js, and AWS to build a scalable and secure platform.
- Scalable cloud infrastructure provided by AWS.
- Provided essential features such as appointment booking, medical record management, and telemedicine consultations, while adhering to strict data privacy regulations.

Directory of Integer Sequences |*Python, Mathematics, GitHub*: \bigcirc GitHub

A Python-based interactive tool that explores the world of integer sequences. It provides a comprehensive directory of sequences with analysis tools for discovery and investigation.

- Curated collection of integer sequences with detailed explanations.
- Tools for data manipulation and visualization using Python.
- Explores real-world applications of integer sequences in computational science.

Target Audience : Students, researchers, and anyone interested in integer sequences.

Complete Accounting & Inventory System in Node.js | *Node.js, Flutter, GitHub*: \bigcirc GitHub

A comprehensive accounting and inventory management system conceived for businesses. This web application (built with Node.js) offers a scalable backend architecture and empowers users with real-time data access.

Key Features :

- Scalable backend architecture with Node.js for smooth performance.
- Real-time data access for informed decision-making.
- Insightful reports generated to analyze financial trends and inventory levels.
- Advanced features beyond basic accounting, including purchase order management and stock control.

EDUCATION

LNCT University, Bhopal M.P.   BTech CSE

Nov 2021 - May 2025   GPA : 7.74/10