

BABLU KR.PRASAD

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Education

Dr. A.P.J. Abdul Kalam Technical University, India

Master of Computer Application

8.43/10

July 2021 – Aug. 2023

Experience

Maps of India Pvt Ltd ↗

June 2024 – Present

Software Engineer

Delhi, India

- TechStack: Python, Django, Object Oriented Programming, REST APIs, SQL, Kafka, Redis, Micro-Services
- Led development of a comprehensive Petrol Pump Finder application, integrating real-time price updates and cross-state price comparison features, **resulting** in **35%** improved user engagement and **25%** faster **fuel station** discovery times.
- Engineered an innovative geospatial analytics platform for mapping demographic and business distribution across India, processing data for **50M+ citizens** and **10M+ businesses**, enabling data-driven policy decisions.
- Developed a secure biometric verification system for the **Election Commission of India**, incorporating document validation and **digital page-flipping** capabilities, reducing verification time by **60%** and improving accuracy by **40%**.
- Enhanced critical API performance by **20x** through strategic implementation of database indexing and caching mechanisms, while optimizing AWS resource utilization for **20%** cost reduction **4K annual savings**.
- Architected and deployed a scalable Refund Management API and expanded Referral Program API to handle **10 k** concurrent users, resulting in **99.9%** system stability.
- Optimized Authentication API performance by **40x** and reduced Customer Profile API response time from **8 seconds to 300ms** through advanced query optimization and selective caching strategies.
- Spearheaded development of Test Drive Eligibility API, achieving **80%** improvement in customer satisfaction metrics and streamlining vehicle purchase workflow.

Zapuza Technologies Intern ↗

Aug. 2023 – may 2024

Software Engineer

Remote, India

- Optimised top **20 APIs** almost **50 times** by DB-Indexing, caching, optimising code architecture, Reduced **40% AWS Saved \$10 K** yearly (\$ **22 K** to \$**12 K**).
- Implemented **rate limiting** library, **Improved system** integrity & security by **200%**.
- Designed, Developed, tested and deployed Test Drive-applicability API, Enhancing customer experience **2 times**.

Project

Food Ordering App Backend ↗ | *python, Django, LLD, Kafka, Redis, Rest API, SQL*

Jan. 2024

- Designed and developed order, payment, and cart **microservices**, **architected**, and **integrated** services using **RabbitMQ** and **HTTP calls**.
- Engineered scalability improvements to support up to **10K** transactions per year.
- Collaborated with cross-functional teams to gather requirements and **define** service **interfaces**.

Skills

Python, SQL, Java, NoSQL, Data Structure And Algorithms, RestAPI, Object Oriented Programming, Web Development

Monolithic and Micro-Services Architecture, Spring Boot, Django, Message Queue, Kafka, Cache, Redis, GIT, (Basic Artificial Intelligent, Machine Learning)

System Design (LLD & Basic HLD), Design Principles, Design Patterns

Achievements

- **2 Star** Leetcode solved almost **350 problems**(Overall) .
- **5 Star** in Problem Solving on Hackerrank and **4 Star** in Python, and **4 Star** in Java.
- Ranked in **top 3** on GeeksForGeeks University rank (**Nationwide**) .
- Ranked **Under 1K Globally** Google Kickstart and Google Code Jam 2020 Qualified.
- **Facebook** Hacker Cup round-2 Qualified under **10K Globally**.
- **Top 300** in Hackwithinfy (above 20000 participants).
- Ranked **Under 2K Globally** Google Kickstart and **Google** Code Jam 2022 Qualified.