Sai Deepak Reddy Kamaganikuntla

✉️ saideepakreddy0308@gmail.com | 📱 +91 9490785333
🌐 www.saideepakreddy.com | linkedin.com/in/saideepakreddyk | github.com/saideepakreddy0308

Professional Summary

Backend Developer with expertise in Java, Spring Boot, and cloud technologies (GCP/AWS), supported by hands-on experience in MERN stack, data science, and AI. Skilled in creating scalable, secure, and efficient applications with a focus on backend development, system design, and machine learning. Proficient in collaborating with cross-functional teams, ensuring clean and optimized code delivery while consistently surpassing project milestones. Dedicated to continuous learning, with a focus on adopting and integrating DevOps practices to streamline workflows and improve efficiency.

Skills

Programming Languages: C/C++, Java, Python, JavaScript, SQL
Core Backend Skills: Spring Boot, Microservices, REST APIs, Flask, Django, FastAPI, Docker, Kubernetes, GCP, AWS (EC2, Lambda), Git, Elasticsearch, Redis, Apache Kafka, Linux
Machine Learning & Data Science: Pandas, NumPy, Scikit-Learn, TensorFlow, Keras, PySpark, GPT Prompting
Data Visualization: Tableau, Power BI
Additional Frameworks & Knowledge: React.js, System Design, Corporate Finance, PostGIS, Neo4j, OAuth2, Cron Jobs

Work Experience

Associate Software Developer   Jan 2024 - Aug 2024
Antino Labs, Gurugram
- Developed Guaranteed Rental E-commerce Admin Application using Python, Flask, and Elasticsearch, integrating PayU for secure payments and improving search response times by 60% for over 100,000 customers.
- Achieved 80% prediction accuracy in the PowerFrequency project with advanced time series models, creating real-time dashboards that enhanced decision-making and system reliability by 30%.
- Automated data collection from 300+ EV stations across India for MydriEV application, increasing operational efficiency by 50% and boosting EV adoption rates through real-time tracking.
- Delivered clean, optimized code for 10+ projects using Python frameworks and machine learning libraries, consistently surpassing delivery timelines by 20%.

Projects

LinkedIn Clone Application (Microservices Architecture):
- Built a microservices-based backend using Spring Boot with centralized logging (ELK Stack) and distributed tracing (Zipkin).
- Designed API Gateway and Eureka Server for load balancing and efficient routing, integrating Feign Clients and Kafka for notifications.
- Enabled JWT authentication, bidirectional connections with Neo4j, and batch processing with Cron Jobs.
- Deployed services with Docker and Kubernetes on Google Kubernetes Engine (GKE).
   Technologies Used: Spring Boot, Spring Cloud Gateway, Neo4j, PostgreSQL, Kafka, Docker, Kubernetes, GCP, ELK Stack, Zipkin, Resilience4j, OAuth2.

Uber Clone Application (Monolithic Architecture):
- Implemented core ride-hailing features with Spring Boot, including driver assignment, pricing strategies, and real-time location updates.
- Integrated PostGIS for geolocation, secure payments, and OTP-based ride initiation.
- Deployed on AWS EC2 with comprehensive test cases for reliability.
   Technologies Used: Java, Spring Boot, Hibernate, JWT, PostgreSQL, AWS, Swagger UI, Mockito.

Secure Blog Management System:
   Created a secure blogging platform with token-based authentication and third-party API integrations.
   Technologies Used: Python, Django, Django REST Framework, Redis, Celery.

Galactic Note:
   Developed a cloud-based personal notebook system, achieving 100+ users.
   Technologies Used: React.js, Node.js, Express.js, MongoDB.

Vessel Segmentation for Stenosis Detection: (AIIMS Delhi)
   Enhanced diagnostic imaging techniques for cerebrovascular diseases using advanced segmentation and machine learning.
   Technologies Used: Python, C++, DICOM, VMTK.

Education

Jawaharlal Nehru University, New Delhi [*NIRF India Rank:* 2]	August 2019 - June 2024
B.E. in ECE (C.S. Electives) & M.S. in Business Management	*CGPA:8 /10*
Narayana IIT Academy, Hyderabad, T.S	2017 - 19
Senior Secondary Education	*CGPA:9.76 /10*
Narayana EM School, A.P	2016 - 17
Secondary School Education	*CGPA:10 /10*

Achievements and Certifications

- Spring Boot Certification (Foundational & Expert) - Coding Shuttle
- Solved 300+ coding problems on LeetCode and GeeksforGeeks..
- Data Analysis and SQL Server Development - DataCamp Certified
- Selected for Amazon ML Summer School 2023
- National Cadet Corps (NCC) Cadet, New Delhi

Involvement & Interests

- Executive Member of Robotics Club and Volunteer at Coding Club, JNU
- Languages: English, Hindi, Telugu
- Interests: Traveling, music, finance, and personal development

Relevant Links:

- **LeetCode Profile**: leetcode.com/d0308 *[link]*
- **Tableau Dashboards**: public.tableau.com/app/profile/sai.deepak.reddy.k3149 [link]