SRIJAN RAMAVAT

Bangalore, IN | P: +(91) 96237-95294 | srijan.ramavat@gmail.com | linkedin.com/in/sshsrijanr

PROFILE SUMMARY

Dynamic and results-driven Software Engineer with over 5 years of extensive experience in web application development, ad-serving strategies, and backend API development. Proven track record in leveraging machine learning, microservices, and big data technologies to drive innovation and optimize performance. Skilled in Python, Java, and various other technologies, with a strong focus on improving system efficiency, reducing costs, and enhancing user engagement. Demonstrated ability to lead projects, streamline processes, and deliver impactful solutions in fast-paced environments. Adept at collaborating with cross-functional teams to achieve strategic goals and improve business outcomes

SKILLS

- **Programming Languages:** Python, Java, JavaScript, C/C++
- **Frameworks:** Django, J2EE, Vue.js, React.js, DRF, PySpark
- **Database:** MySQL, Redis, Aerospike, Hadoop, Apache Hive, Apache Kafka
- **Tools:** Postman, Selenium, JMeter, Jenkins, Docker, Gunicorn, Nginx, Google Cloud Platform, Grafana, Prometheus, Kubernetes, Airflow
- **Technical Areas:** Machine Learning, RAG, LLM, AI Agent, Microservices, Web Applications, CI/CD pipelines

WORK EXPERIENCE

MEDIA.NET, Bangalore, India   06/21 – Present
- Senior Web Application Developer | Python, Java, LLM   01/2025 – Present
- Developed support for Multi-language Contextual Ad serving using a Large Language Model.
- Optimised services in the recommendation system reduced response time by 25%.

- Web Application Developer L3 | Python, Java, Data Analysis, Microservices   01/2024 – 12/2024
- Designed and implemented LLD for **exploration strategies** for machine learning models, optimizing selection for various use cases.
- Developed an Ad-serving strategy powered by a **vector search infrastructure** to efficiently index and retrieve ads for Contextual Ad Targeting, leading to a **5% increase** in RPM.
- Integrated **Prometheus** into **microservices** for real-time monitoring and alerting, enabling proactive issue resolution and ensuring 100% uptime.
- Redesigned microservices using **Kafka** and **Airflow**, enabling parallel processing and multi-database support, resulting in a 20% faster data pipeline.
- Optimized a Java-based **monolithic** application, reducing memory usage by 15% and improving system **latency by 10%**.

- Web Application Developer L2 | Python, Java, Hive, Big Data   01/2022 – 12/2023
- Developed and optimized ad-serving strategy using historical data to identify the best possible ads, achieving a 2% increase in CTR and conversions
- Applied Classification Algorithms resulting in 10% better contextual ad-serving
- Executed **database migration** projects from MySQL to Aerospike, ensuring a 10% cost reduction and uninterrupted operations
- Served as a Directly Responsible Individual for the Ad-serving platform, identified issues in the system and fixed them, **reducing downtime incidents by 95%**, and restoring services within an average of 10 minutes during interruptions

- Web Application Developer L1 | Python, Django, Javascript, PySpark   06/2021 – 12/2021
- Architected and developed internal analytics web applications for robust data analysis, making analysis 30% faster for project managers
- Enhanced the Legacy codebase with new features, enabling businesses to make decisions 20% faster
- Used K-means clustering in **PySpark** to analyze large datasets, identifying 25 key Ad Campaigns
- Leveraged expertise to streamline project and release plans, boosting delivery times by 20% and productivity by 15% through collaboration with the project manager

ZAYA LEARNING LABS, Mumbai, India 08/2019 – 10/2020
- Software Development Engineer | Python, Django, Rest API, DevOps
- Pioneered backend API development using **DRF** for applications supporting over 10,000 users
- Designed a **boilerplate** using **Django** to support async tasks to jumpstart Rest API development
- Implemented CI/CD with Jenkins to Azure Container, accelerating the development cycle by 30%
- Composed Python libraries for seamless third-party **micro-service** integration, accelerating development by 30% and enhancing security

MENUFI - ALPHAGEN SOFTWARE SOLUTIONS, Mumbai, India 12/2017 – 02/2018
- Web Developer (Part-time) | PHP, CodeIgniter, MySQL
- Engineered a mobile food ordering app using PHP Codeigniter, AdminLTE Bootstrap, and JavaScript, increasing user engagement by 25%
- Delegated tasks to team members, improving project efficiency by 20%

EDUCATION

Don Bosco Institute of Technology, Mumbai, India 06/2019
Bachelor of Engineering in Computer Engineering
- Cumulative GPA: 8/10 | **ADT Team Head** | 2nd Runner up **Mumbai Hackathon**

Swarnleela International School (CBSE), Nagpur, Maharashtra, India 05/2015
12th Standard in Computer Science
- Cumulative GPA: 8.48/10

PROJECTS

Bug Bounty Hunter SaaS Application 03/2025
Tools: Python, FastAPI, PostgreSQL, RAG, Docker, Git, LLMs (Claude, Ollama), Elasticsearch, Stripe
Developed a scalable, AI-powered application that automatically detects exceptions in application logs and generates code fixes.
1. Designed a robust log processing pipeline that extracts exceptions from various sources (log files, Elasticsearch)
2. Implemented a modular LLM integration system supporting both commercial (Claude, DeepSeek) and open-source models (Ollama)
3. Created a code analysis system that retrieves relevant code snippets from GitHub/GitLab repositories
4. Implemented a RAG (Retrieval Augmented Generation) system that enhances LLM performance by providing relevant code context using vector search infrastructure to efficiently index and retrieve code snippets based on exception data

Python Timekit - An Open Source Python Library - 26K+ Downloads
09/2020
Tools: Python, Github, PyPi
An open-source project in Python that can be used to integrate Timekit APIs in Python scripts and web development frameworks like Django, Flask, etc. You just need to create an account on Timekit and generate an API_KEY, then follow the instructions on the attached link, and you can use this library easily.

ADDITIONAL

Certifications and Awards
- Completed Machine Learning with 94% (Stanford | Online, Coursera) - 2019
- Completed DevOps Project with Jenkins, Ansible, Docker, and Kubernetes on Udemy - 2020
- Awarded as the 'Employee of the Month' in Zaya Learning Labs for architecting and developing the Entire Backend APIs of an Application in less than 2 weeks.
- 2nd Runner up Mumbai Hackathon (2017)