

# Aryan Rishi Lamba

Software Engineer

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## EDUCATION

<b>Graphic Era University</b> <i>Bachelor's of Technology Computer Science</i>	CGPA <i>9.0</i>	Dehradun, India <i>2019 - 2023</i>
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## TECHNICAL SKILLS

**Languages:** Python, C++, Java, JavaScript, SQL

**Frameworks:** Flask, SpringBoot, ReactJs, Kubernetes, JUnit, PyTest, Helm, Tensorflow, PyTorch, Langchain, Langgraph

**Developer Tools:** Git, Docker, AWS, GCP, Elasticsearch, Snowflake, Kafka, Github Actions, Teamcity, Grafana, Prometheus, Jira, Confluence

## EXPERIENCE

<b>Software Engineer</b> <i>Trellix (Google Cloud Partner) - An Industry Leading Cyber Security Company</i>	JAN 2023 - Current <i>Bengaluru, India</i>
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*AI Development and SOC workflow*

- **Understood** the different workflows taken by SOC team to triage an alert
- **Transformed** complex SOC team processes into detailed functional requirements
- **Architected and developed** a multiple **AI Agents** Workflow to triage a endpoint / network threat using access to external and internal tools.
- **Fine-Tuned generative AI** smaller Mistral Model on synthetically self-generated data for better responses

*Software Development*

- Architected and developed an in-house **Prompt Engineering and Management** tool for various SAAS product workflows, saving company over **\$40,000** monthly increasing efficiency and removing reliance on external vendors
- Developed micro-service to orchestrate different **Generative AI workflows**, company post on [Linked In](#) showcasing the work done
- Developed a **Middleware Search Service**, facilitating data retrieval logic for a Endpoint Events with a challenge to handle large volumes of data
- Enhanced internal **Knowledge Accessibility** by leveraging an **Open-Source** project to implement a **100%** offline **RAG** Chatbot to answer employee queries from **Confluence** knowledge base
- Developed a custom **Log Parser** utilizing **Regular Expressions** to extract failures from service logs, enabling a **50%** reduction in debugging time through efficient log analysis and **Data Visualization**
- Developed a **Python Prometheus** metric server, to expose **end-to-end** metrics, giving visibility into application performance through real-time metric collection and visualization.

*DevOps*

- Integrated **3** micro-services with current CI/CD workflow using Kubernetes and Helm

*Software Testing*

- Ensured **Fault-Tolerant** architecture for micro-services

## PROJECTS

<b>Network Analysis</b>   Neo4j, Kafka, Python, Langgraph, GCP   <a href="#">Link</a>	Dec 2024
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- Read endpoint network events using **Kafka** and mapped the events using **Neo4j** for better data discovery
- Developed a **multi-agent AI System** to mimic and automate the workflow of team more than **5**. Personal Project won hackathon then taken up as a project in company

<b>Knowledge Portal</b>   Java, SpringBoot, Docker, GCP   <a href="#">Link</a>	Nov 2023
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- Developed a **scalable** Spring Boot Back-end for centralized management of product **Knowledge Transfer Videos and Documentation**
- Implemented a user-intuitive design with **Product-Based** navigation and **Tag and Text Driven search**, facilitating efficient knowledge access for on-boarding, training, and ongoing product mastery across **various teams** (Sales, Product Management, etc.)
- Ensured code quality and maintainability by adhering to **High coding standards**, enabling future enhancements and seamless integration with potential front-end applications.