

# Sarankirthic SP

## Software Development Engineer

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## EXPERIENCE

### TEMPERSTACK | FULL STACK ENGINEER INTERN

May 2024 – October 2024 | Bengaluru, India

- Integrated AWS WAF into Temperstack's monitoring framework to enable real-time threat detection, automated alerting with ALCOM scoring, and intelligent routing of security events via Slack, Teams, and PagerDuty, enhancing response times and governance.
- Worked on integrating Pingdom into Temperstack's monitoring system to correlate real-time availability, response times, and API health with infrastructure metrics. Enabled proactive detection of user-impacting degradations and enriched alerts with impact correlation for faster incident resolution, enhancing end-user experience monitoring.
- Worked with AWS, Azure, GCP, Splunk, AppDynamics, and Dynatrace to automate alerting across multi-cloud and observability platforms. Leveraged Temperstack's AI-driven service mapping and ALCOM scoring to auto-discover resources, deploy missing alerts, and optimize thresholds, reducing false positives and alert fatigue.

### CRANBERRY.FIT | FULL STACK PRODUCT DEVELOPER

October 2024 – March 2025 | Bengaluru, India

- Developed and deployed an intelligent chatbot using the Rasa framework, integrated with WhatsApp to enable seamless user interactions.
- Designed the bot to collect and process user information efficiently, leveraging natural language understanding and dialogue management. Implemented custom actions and data storage to support dynamic conversational flows and data collection.
- Additionally, automated workflows using make.com and SendPulse, enabling email and messaging automation to streamline communication processes.

## PROJECTS

### SCALABLE E-COMMERSE PLATFORM | JAVA, SPRING BOOT, REACT, MONGODB, DOCKER

2025 | 🌐 sarankirthic/ecommerce

- Developed a scalable, full-stack e-commerce platform utilizing Java, Spring Boot, React, and Docker, with robust integration of MongoDB and third-party API Razon pay for payment and notifications.
- Designed secure user authentication (JWT/OAuth), role-based dashboards, advanced product and order management workflows, and a responsive UI, ensuring high availability, data security, and seamless user experience in production environments.

### END-TO-END ANALYTICS PLATFORM | PYTHON, REST API, POSTGRESQL, DOCKER, AWS

2024 | 🌐 sarankirthic/data-analytics

- Designed and implemented an end-to-end data pipeline and analytics platform using Python, Apache Airflow, and TensorFlow, enabling real-time and batch processing of large datasets for predictive business insights.
- Developed ETL workflows, integrated multiple data sources, and deployed solutions on AWS/GCP with Docker, enhancing data-driven decision making.

### SECURE API GATEWAY | PYTHON, RESTA API, REDIS, OAUTH2, DOCKER

2024 | 🌐 sarankirthic/fast-api-gateway

- Designed and implemented a Secure API Gateway and Authorization System in Python using FastAPI, incorporating OAuth2/JWT authentication, rate limiting, request logging, API versioning, and load balancing.
- Leveraged Redis for efficient caching, deployed with Docker, ensuring scalable, secure management of microservices in distributed environments.

## SKILLS

### PROGRAMMING

Proficient:

Java • Python • JavaScript • SQL • CSS • HTML • Bootstrap

Experienced:

Redis • C++ • Linux • Shell • LaTeX • Typescript • Markdown

Familiar:

Rust • Go Lang • Assembly • Verilog • micro python

### LIBRARIES/Frameworks

Flask • Node.js • Spring Boot • React.js • Express.js • Django • Rasa Framework

### TOOLS/PLATFORMS

Git • AWS • Docker • Railway • Digital Ocean

## EDUCATION

### VELLORE INSTITUTE OF TECHNOLOGY

BACHELORS'S IN ELECTRONICS AND COMMUNICATION

June 2019 - May 2023 | Chennai

School of Electronics

Engineering

Cum. GPA: 7.0 / 10.0

### CHETTINAD VIDYASHRAM

CLASS XII IN COMPUTER SCIENCE

May 2017 - May 2019 | Chennai

CBSE - Score 80%

### CHETTINAD HARI SHREE VIDYALAYAM

CLASS X

May 2005 - May 2017 | Chennai

ICSE - Score 80%

## CERTIFICATION

PYTHON | COURSERA

JAVA | GUVI

JAVASCRIPT | GUVI

AWS | AMAZON

## REFERENCES

K R Hari Prashanth,  
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