

# SARANKIRTHIC SP

## Software Development Engineer

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## EXPERIENCE

### TEMPERSTACK | FULL STACK ENGINEER INTERN

May 2024 – October 2024 | Bengaluru, India

- Spearheaded AWS WAF integration for real-time detection across 10+ services, automating 500+ weekly alerts and routing with Slack/PagerDuty, accelerating threat response by 30%.
- Integrated Pingdom into Temperstack's monitoring system, correlating real-time availability and API health across 20+ services. Enabled preemptive detection of degradations and enriched 1,000+ alerts weekly with impact correlation, accelerating incident resolution and enhancing end-user experience.
- Automated multi-cloud alerting across AWS, Azure, GCP, Splunk, AppDynamics, and Dynatrace, managing 2,000+ alerts weekly. Leveraged AI-driven service mapping and ALCOM scoring to auto-discover 100+ resources, deploy missing alerts, and optimize thresholds, reducing false positives by 40% and alert fatigue.

### CRANBERRY.FIT | FULL STACK PRODUCT DEVELOPER

October 2024 – March 2025 | Bengaluru, India

- Engineered and deployed a Rasa chatbot handling 1000+ user interactions/month on WhatsApp, increasing user engagement by 25%.
- Augmented the chatbot to collect data from 500+ monthly users, leveraging natural language understanding and dialogue management. Established custom actions and data storage enabling robust conversational flows and efficient user information processing.
- Automated 200+ email and messaging workflows using make.com and SendPulse, streamlining communication and boosting engagement efficiency.

## PROJECTS

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

2025 | 🌐 sarankirthic/ecommerce

- Built a scalable full-stack e-commerce platform with Java, Spring Boot, React, and Docker, integrating MongoDB and Razorpay API to process 500+ transactions daily with 99.9% uptime.
- Advanced secure JWT/OAuth authentication, role-based dashboards, and advanced product and order workflows, ensuring data security and seamless UX for 1,000+ daily active users in production.

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

2024 | 🌐 sarankirthic/data-analytics

- Formulated and implemented an end-to-end data pipeline and analytics platform using Python, Apache Airflow, and TensorFlow, processing 5TB of real-time and batch data monthly to deliver predictive news insights.
- Produced ETL workflows integrating 10+ data sources, deployed on AWS with Docker, improving data-driven decision making speed by 30%.

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

2024 | 🌐 sarankirthic/fast-api-gateway

- Designed and spearheaded a Secure API Gateway in Python with FastAPI, incorporating OAuth2/JWT authentication, rate limiting, request logging, API versioning, and load balancing to handle 10,000+ requests per minute securely.
- Leveraged Redis caching and Docker deployment to optimize performance and scalability, ensuring reliable microservices management in distributed environments with 99.99% uptime.

## SKILLS

### PROGRAMMING

Backend:

Java • Python • Rust • Go Lang

Frontend:

JavaScript • Bootstrap • Node.js • React.js

Database:

SQL • PostgreSQL • MongoDB • Redis • S3 • Snowflakedb

Familiar:

Assembly • Verilog

### LIBRARIES/Frameworks

Flask • Django • Rasa  
Spring Boot • Express.js • TensorFlow • Pandas

### TOOLS/PLATFORMS

Git • AWS • Azure • GCP • Docker • Shell Scripting

## EDUCATION

### VELLORE INSTITUTE OF TECHNOLOGY

BACHELOR'S IN ELECTRONICS AND COMMUNICATION

June 2019 - May 2023 | Chennai

Cum. GPA: 8.0 / 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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