

# ARYAN KIRSALI

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## Skills

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- Javascript | Typescript | Node.js | Express.js | NestJs | Python | C++ | MySQL | MongoDB
- GIT | Docker | GitLab CI/CD | AWS Services [SQS, S3, EC2, ECS, Lambda] | Kafka | Redis

## Experience

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**Software Development Engineer** **Thena.ai** *Bangalore, India* **04/2024 - 10/2024**

- Owned and optimized MS Teams integration, ensuring reliability and scalability by leveraging AWS SQS, Redis, and event-driven architecture for retries and idempotency.
- Developed a resilient Ingestor Service for MS Teams to ensure uninterrupted message processing during downtime, preventing message loss and maintaining high availability.
- Automated daily data ingestion pipelines using Agenda jobs to fetch and store 100,000+ daily events from third-party APIs into MongoDB, leveraging complex aggregations and MongoDB Charts for data processing and visualization.
- Implemented key integrations, including incident management tools (PagerDuty, Opsgenie, and incident.io) and Vitaly, using Paragon APIs to streamline operations, enhance workflows, and enable efficient data synchronization.
- Took ownership of weekly Sentry bug cleanups and optimized SQS event sizes across the codebase, reducing them from over 250KB to under 15KB, while enhancing system monitoring and reliability using Grafana, Mezmo, and AWS CloudWatch.

**Software Development Engineer** **Kommunicate.io** *Bangalore, India* **07/2023 - 04/2024**

- Developed a Sitemap Scrapper using Node.js and Express.js, deployed via Docker and AWS services(Lambda, API Gateway, ECR).
- Utilized Pinecone Database to store and manage extracted data in vector form for efficient downstream processing.
- Employed RabbitMQ for Microservices communication and used Grafana for system monitoring and performance analysis.
- Proactively identified and resolved critical production bugs, ensuring minimal downtime and maintaining system stability.

**Software Engineer Intern** **Kommunicate.io** *Bangalore, India* **01/2023 - 06/2023**

- Developed robust REST APIs with Node.js, Express.js, implementing Microservice architecture for scalability.
- Worked with Python, leveraging OpenAI APIs, spaCy models, and Transformers for entity detection and data extraction.
- Wrote efficient SQL queries and automated backend processes by scheduling timely cron jobs.

## Projects

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**Web Chat App with an AI Assistant** **DEMO | Github**

- Developed a web messaging app using React.js and Firebase, with OpenAI API for assistant messages and real-time user online/offline status updates upon login/logout.

**Travel Map App: Add Notes to Your Visited Locations** **DEMO | Github**

- Developed a geolocation web app using Mapbox API, React.js, Node.js, and MongoDB, allowing users to add notes to visited locations, view others' reviews, and search locations by latitude and longitude.

## Education

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**Bachelor of Technology** **GB Pant Institute of Engineering and Technology** **06/2019 - 06/2023**

- Major in Computer Science and Engineering

## Others

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- Google Cloud Facilitator program **Certification**
- **Certification** for Rising Star award at Kommunicate (2023)